IN THE UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF PENNSYLVANIA

RENEE P. FAGAN, individually and as a) CIVIL ACTION NO.:
parent, of a special needs minor child, MF;)
Plaintiff,	
V.	j
COUNCIL ROCK SCHOOL DISTRICT BOARD OF EDUCATION; DR. ROBERT FRASER, Ed.d, in his individual capacity and in his official capacity as Superintendent of the COUNCIL ROCK SCHOOL DISTRICT and ANDY BLOCK, DENISE BROOKS, MARK BYELICH, JOSEPH L. HIDALGO, KRISTIN MARCELL, MARIANN MCKEE, EDWARD SALAMON, EDWARD F. TATE, III, DR. MICHAEL THORWART, all in their individual capacities and in their capacities as members of the COUNCIL ROCK, SCHOOL DISTRICT BOARD OF EDUCATION,	
Defendants.	

MEMORANDUM OF LAW IN SUPPORT OF PLAINTIFF'S MOTION FOR TEMPORARY RESTRAINING ORDER

COMES NOW Plaintiffs, Renee P. Fagan, individually as a sui juris *pro se* litigant and as a parent, of a special needs minor child, MF, without the assistance of an attorney, by exercising of the right to contract and refusal to CONSENT, are before this Court by Special Appearance and without waiving any rights, remedies or defenses, statutorily or procedurally, hereby, file this Complaint against, Council Rock School District Board ("Board"), Dr. Robert Fraser, Ed.d, in his individual capacity and in his official capacity as Superintendent of the Counsel Rock School District; and Andy Block, Denise Brooks, Mark Byelich, Joseph L. Hidalgo, Kristin Marcell, Mariann McKee, Edward J. Salamon Jr., Edward F. Tate, III, and Dr. Michael Thorwart, all individually elected officials sued in their individual capacity and in their capacity

as members of the School Board (collectively, "Defendants"). In support of the claims set forth herein, Plaintiffs allege and avers as follows:

INTRODUCTION

Plaintiff, MF, is a minor child who resides in and attends Council Rock School District ("CRSD"), in Bucks County, Pennsylvania. Plaintiff, a special needs minor child is and was at all times relevant hereto a student at Council Rock Township School District, public school. Suit is brought, herein on Plaintiff, Renee P. Fagan, as a parent of minor child MF. Plaintiff, Renee P. Fagan is an adult individual who is a resident and taxpayer in the Council Rock School District, in Bucks County, Pennsylvania. Plaintiff, Renee P. Fagan is the parent and legal guardian of a special needs minor child MF.

Defendant Council Rock School District Board of Education (the "School Board" or the "Board") is a public entity which, acting under color of law, is responsible for the formulation and implementation of all official governmental laws, policies, regulations and procedures in effect for the Council Rock School District. Defendant, Dr. Robert Fraser, was at all relevant times the Superintendent of the Council Rock School District; in that capacity, acting under color of law, responsible for the implementation of all official governmental laws, policies, regulations, and procedures governing the Council Rock School District. In addition, Defendants, Edward J. Salamon, Jr. is currently serving as the President while Kristin Marcell is currently serving as Vice-President of the School Board. The other seven Board members are Defendants, Denise Brooks, Mariann McKee, Edward F. Tate, III, Joseph Hidalgo, Andy Block, Mark Byelich, and Dr. Michael Thorwart. Plaintiff has sued all Defendants in their individual and official capacities who are operating and acting under color of state law

FACTS

A. Council Rock School District Board of Education

The Council Rock School District Board of Education is "composed of nine citizens who are representatives of the residents of Borough of Newtown, Newtown Township, Northampton Township, Upper Makefield Township, and Wrightstown Township. Each board are created statutorily, consists of nine (9) members who serve four-year terms. Elections for school board occur every two years. Five seats up for election and then two years later, four seats are up for election. Terms for all school directors are four years unless there is an unexpired term on the ballot. That seat would be for a two-year term. Board members are elected by district. Only the registered voters of a particular area may vote for a particular seat in a by-district election. The Council Rock School District school board are elected by the registered voters of a particular area and seat in a by-district election. Members appear on the primary ballot as both a Republican and/or a Democrat candidate, but may only circulate a petition on behalf of a party of which he/she is a registered member; a registered member of the other party may circulate a petition for members of that party to request your name be on the ballot

This nine-member School Board unanimously appointed Defendant Dr. Michael J.

Barnes to serve as Superintendent of Schools, effective July 1, 2021. As Superintendent, Dr.

Barnes is charged with the administration of the MCSD. In accordance with Section 321 of the Pennsylvania Public School Code of 1949, All North Allegheny School District Board members before being seated have executed and signed an Oath of Office swearing their support the Constitution of the United States and the Constitution of the Commonwealth of Pennsylvania, and to faithfully and impartially discharge her duties as a school director member to the best of her ability, and with the laws "now in effect and hereafter to be enacted. Upon receipt of oath they will be provided

As discussed above, the nine individuals currently serving as School Board Members are Defendants, Denise Brooks, Mariann McKee, Edward F. Tate, III, Joseph Hidalgo, Andy Block, Mark Byelich, Dr. Michael Thorwart and Edward J. Salamon, Jr. as the President while Kristin Marcell is currently serving as Vice-President of the School Board. The nine individuals unanimously appointed Defendant, Dr. Robert Fraser, to serve as Superintendent of the Council Rock School.

This nine-member School Board unanimously appointed Defendant, Dr. Robert Fraser, Ed.d to serve as Superintendent of Schools. As Superintendent, Dr. Robert Fraser, Ed.d is charged with the administration of the CRSD. In accordance with Section 321 of the Pennsylvania Public School Code of 1949, All Council Rock School District Board members before being seated have executed and signed an Oath of Office swearing their support the Constitution of the United States and the Constitution of the Commonwealth of Pennsylvania, and to faithfully and impartially discharge her duties as a school director member to the best of her ability, and with the laws "now in effect and hereafter to be enacted. Upon receipt of oath they will be provided.

B. Infliction of Emotional and Intentional Distress

Defendant has fostered either intentionally and/or negligently the fear mongering and intimidations tactics of district teachers in effort to enforce the overreaching policies of the school board. Plaintiff, MF, is a special need minor child with downs syndrome (DS), is non-verbal and extremely delayed in learning, and resides in and attends Council Rock School District, in Bucks County, Pennsylvania. Plaintiff, MF, is a special need minor child was at all times relevant hereto a student at Council Rock Township School District, public school. Suit is brought, herein on Plaintiff, Renee P. Fagan, as a parent of minor child MF.

Plaintiff, Renee P. Fagan is an adult individual who is a resident and taxpayer in the Council Rock School District, in Bucks County, Pennsylvania. Plaintiff, Renee P. Fagan is the parent and legal guardian of special needs child minor child MF. Defendants' actions has caused Renee P. Fagan, parent and legal guardian of special needs child minor child MF emotional stress having to endure and watch said minor special needs child MF just wanting to be like everyone else.

Plaintiff, MF, a special needs minor child currently has multiply therapies that all take place in the school settings. Plaintiff, MF, a special needs minor child relies on facial and psychical ques to understand communications and social norms. Defendants actions, optional or mandatory, has caused Plaintiff, MF, a special needs minor child further learning delays due to his current teachers and therapist(s) use of masks. Due to Defendants actions and his current teacher and /or therapist use of mask it has caused Plaintiff, MF, a special needs minor child emotional stress.

Due to Defendants actions last year, was Plaintiff, MF, a special needs minor child was forced to use online classes which consisted of approximately two calls a day for approximately 30 minutes. Plaintiff, MF, a minor child, with his special needs was unable to then as is now to learn from this method. Because of Defendants enacted mask mandates last year, Plaintiff, MF, a special needs minor child was forced to use online classes wherein he did not receive any of his needed therapies throughout the duration of the school shut down which resulted in him losing a year worth of learning which caused him to fall further behind. Any return to that kind of online format of learning is simply not an option.

Plaintiff, MF, a special needs minor child, has downs syndrome wherein he has a flat sinus cavity that is easily congested and has difficulty draining. Defendants' actions, would

cause Plaintiff, MF, a special needs minor child further mental deficiencies and loss of brain function wearing a mask. Even in play, it would cause Plaintiff, MF, a special needs minor child, to develop a sinus infection resulting in bacterial pneumonia and a hospital visit. With Defendants' mask policies, optional or mandatory in place, their actions have caused Renee P. Fagan, parent and legal guardian of her special needs minor child MF undue financial burden, emotional stress, and harm. As parent and legal guardian of Plaintiff, MF, Defendants actions with their mask policies have caused Plaintiff Renee P. Fagan, emotional stress having to endure and watch Plaintiff's minor special needs child aspiring to be like his peers.

Plaintiff, MF, is a special needs minor child with downs syndrome and can get easily confused if he attempts to wear a mask aspiring to mimic the other children and teachers. He does not understand the dangerous health hazards of wearing a mask and wants to mimic the other children and teachers in order to belong. Because of Defendants mask policies regardless of whether it is optional or mandatory, causes Plaintiff, Renee P. Fagan, parent and legal guardian of special needs child minor MF, to suffer fear and emotional stress having to endure and watch he minor special needs child MF yearning to be like others.

Defendants are acting arbitrarily, under the color of law, and lack the necessary authority with their enactment of their masks mandates, optional or otherwise, are discriminatory thereby violating Plaintiff, MF a special needs minor child, federally protected rights. 42 U.S.C. §1983, proximately causing and inhibiting his needed therapies causing and creating division between the sects of people regarding of medical condition or other factors.

C. The Masking Requirement Causes Immediate and Irreparable Harm to Students, Staff, and Community.

In his Affidavit, attached hereto as Exhibit "A", Stephen E. Petty, an expert in the field of Industrial Hygiene who has testified as to the futility and danger caused by an individual

wearing a mask in order to avoid transmitting or becoming infected with Covid-19, states the following:

- 3. I hold relevant industry certifications including board certifications as a C.I.H. (Certified Industrial Hygienist), a C.S.P. (Certified Safety Professional), and as a P.E. (Professional Engineer) in six states (Florida, Kentucky, Ohio, Pennsylvania, Texas and West Virginia). My curriculum is attached hereto as **Exhibit i.**
- 4. I have served as an expert in personal protective equipment and related disciplines in approximately 400 legal cases. I have often been certified as, and provided testimony as, an expert in these areas. My list of representative cases is attached hereto as **Exhibit ii.**
- 5. For example, I am currently serving as an expert in the Monsanto Roundup and 3-M PFAS litigation. Recently I testified in four trials for the DuPont C-8 litigation.
- 6. I taught Environmental and Earth Sciences as an adjunct professor at Franklin University.
- 7. I hold nine U.S. patents, most related to heating, ventilation and air conditioning (HVAC) systems.
- 8. I am a current member in good standing of the following relevant associations: American Industrial Hygiene Association (AIHA), American Board of Industrial Hygiene (ABIH), American Conference of Governmental Ind. Hygienists (ACGIH), American Institute of Chemical Engineers (AIChE), American Society of Refrigeration, Air Conditioning and Refrigeration Engineers (ASHRAE); Member ASHRAE 40 Std. and TC 2.3, and Sigma Xi.
- 9. I am an expert in the field of Industrial Hygiene, which is the science and art devoted to the anticipation, recognition, evaluation, and control of those environmental factors or stressors including viruses arising in or from the workplace, which may cause sickness, impaired health and wellbeing, or significant discomfort among workers or among the citizens of the community
- 10. Industrial Hygiene is fundamentally concerned the proper methods of mitigating airborne/dermal hazards and

pathogens, as well as with the design and use of engineering controls, administrative controls and personal protective equipment, among other things.

- 11. Medical doctors, virologists, immunologists, and many public health professionals are not qualified experts in these areas by virtue of those aforementioned credentials.
- 12. On May 7, 2021, the Centers for Disease Control (CDC) updated its guidance, providing that the primary mechanism for transmission of Covid-19 is through airborne aerosols, and not, as previously stated, by touching contaminated surfaces or through large respiratory droplets, as also stated during previous periods of the pandemic.
- 13. Airborne viral aerosols can consist of a single viral particle or multiple viral particles clumped together, and usually smaller than 5 μ (microns) in size. By comparison, droplets are >5 μ to >10 μ in size.
- 14. A square micron is approximately 1/4000th the area of the cross-section of a human hair and 1/88th the diameter of a human hair. Covid particles are —1/10 of a micron or —1/40,000th the area of a cross section of a human hair or —1/1,000th the diameter of a human hair.
- 15. A recent University of Florida study capturing air samples within an enclosed automobile cabin occupied by a Covid-positive individual showed that the only culturable Covid-19 virus samples obtained were between 0.25μ to 0.5μ in size. Particles smaller than 5μ are considered very small and/or very fine or aerosols.
- 16. Very small particles do not fall by gravity in the same rate that larger particles do and can stay suspended in still air for a long time, even days to weeks.
- 17. Because they stay suspended in concentration in indoor air, very small particles can potentially accumulate and become more concentrated over time indoors if the ventilation is poor.
- 18. Very small airborne aerosols pose a particularly great risk of exposure and infection because, since they are so small, they easily reach deep into the lung. This explains in part why Covid-19 is so easily spread, and why so little Covid-19 is required for infection.

- 19. Exposure to airborne aerosols is a function of two primary parameters: concentration and time. Less is better regarding both parameters.
- 20. For many reasons, personal protective equipment (PPE) is the <u>least</u> desirable way to protect people from very small airborne aerosols. Moreover, masks are not PPE since they cannot be sealed and do not meet the provisions of the Occupational Safety and Health Administration (OSHA) Respiratory Protection Standard (RPS), namely 29 CFR 1910.134.
- 21. Regarding PPE, facial coverings do not effectively protect individuals from exposure to very small airborne aerosols. A device referred to as a respirator is required to provide such protection.
- 22. The AIHA, in their September 9, 2020 Guidance Document for COVID-19 (Exhibit iii) noted that the acceptable relative risk reduction methods must be >90%; mask were shown to be only 10% and 5% (see Exhibit iii Figure 2) and far below the required 90% level.
- 23. Similarly, Shah, et al, 2021 (Exhibit iv), using ideally sealed masks and particles 1 micron in size, reported efficiencies for the more commonly used cloth masks and surgical masks of 10% and 12% respectively. No mask can be perfectly sealed, thus "real world" effectiveness would be even lower.
- 24. Industrial hygienists refer to a "Hierarchy of Controls" that are typically implemented to minimize exposures, including exposures to very small airborne aerosols like Covid-19.
- 25. Regarding practical or "engineering" controls, industrial hygienists focus on practices that dilute, destroy, or contain airborne hazards (or hazards in general).
- 26. PPE especially facial coverings do not dilute, destroy, or contain airborne hazards. Therefore, facial coverings do not appear anywhere in the Industrial Hygiene (IH) Hierarchy of Controls for very small airborne aerosols like Covid-19. Even respirators (part of the PPE Category and not masks) are in the last priority on the Hierarchy of Controls.
- 27. Facial coverings are not comparable to respirators. Leakage occurs around the edges of ordinary facial coverings. Thus, ordinary facial coverings do not provide a reliable level of protection against inhalation of very small airborne particles and are not considered respiratory protection.

- 28. For example, during the seasonal forest fires in the summer of 2020, the CDC issued public guidance warning that facial coverings provide no protection against smoke inhalation. That is because facial coverings do not provide a reliable level of protection against the small particles of ash contained in smoke. Ash particles are substantially larger than Covid-19 aerosolized particles.
- 29. I have reviewed the Mayfield City School District (MCSD) "Protective Facial Covering Policy During Pandemic/Endemic Events" as set forth in the Policy Manual of the MCSD Board of Education.
- 30. Ordinary facial coverings like the ones required by the MCSD facial covering policy do not meet any of the several key OSHA Respiratory Protection Standards for respirators.
- 31. Because of the gaps around the edges of facial coverings required by MCSD's policy, they do not filter out Covid-19 aerosols. The policy stating masks will be worn without gaps defies known science that masks worn today cannot be sealed and always have gaps.
- 32. The effectiveness of a cloth facial covering falls to zero when there is a 3% or more open area in the edges around the sides of the facial covering.
- 33. Most over-the-counter disposable facial coverings have edge gaps of 10% or more. When adult-sized facial coverings are used by children, edge gaps will usually greatly exceed 10%.
- 34. Even short breaks (e.g. to eat) expose individuals to Covid-19 aerosols in indoor spaces.
- 35. Ordinary cloth facial coverings like the ones required by the MCSD mask requirement do not provide any filtering benefit relative to particles smaller than 511 if not sealed.
- 36. Substantial mitigation of Covid-19 particles could be immediately achieved by:
 - a. opening windows and using fans to draw outdoor air into indoor spaces (diluting the concentration of aerosols),
 - b. setting fresh air dampers to maximum opening on HVAC systems,

- c. overriding HVAC energy controls,
- d. increasing the number of times indoor air is recycled,
- e. installing needlepoint ionization technology to HVAC intake fans, and
- f. installing inexpensive ultraviolet germicide devices into HVAC systems.
- 35. All of the above-referenced techniques are more effective and meet standard industrial hygiene hierarchy of controls (practices) for controlling exposures in place for nearly 100 years. The use of cloth facial coverings do not fit within these basic hierarchy of controls since masks are not PPE and cannot be sealed. There are no OSHA standards for facial coverings (masks) as respiratory protection.
- 36. Extended use of respiratory PPE is not indicated without medical supervision.
- 37. As explained in an article titled "Is a Mask That Covers the Mouth and Nose Free from Undesirable Side Effects in Everyday Use and Free of Potential Hazards?" that was published on April 20, 201, in the *International Journal of Environmental Research and Public Health* and that is attached to this Affidavit as **Exhibit** iv, the following negative effects from wearing masks was reported in the literature:

Internal diseases	Psychiatric Illness	Neurological Diseases
COPD Sleep Apnea Syndrome Panic Disorder advanced renal Failure Personality Disorders Obesity Cardiopulmonary Dysfunction Asthma fixed and sedated Patients	Claustrophobia Patients with intracranial Ma Epilepsy Dementia Schizophrenia helpless Patients	Migraines and Headache Sufferers asses
Pediatric Discases Asthma Respiratory diseases	ENT Diseases Vocal Cord Disorders Rhinitis and obstructive Dis	Occupational Health Restrictions moderate heavy physical Work eases
Cardiopulmonary Diseases Neuromuscular Diseases Epilepsy Atopic	Dermatological Diseases Acne	Gynecological restrictions Pregnant Women

exemption certificates.

Example statements made in the paper include the following: "The overall possible resulting measurable drop in oxygen saturation (02) of the blood on the one hand and the increase in carbon dioxide (CO2) on the other contribute to an increased noradrenergic stress response, with heart rate increase and respiratory rate increase, in some cases also to a significant

blood pressure increase." Exhibit iv, p. 25. In fact, "Neither higher level institutions such as the WHO or the European Centre for Disease Prevention and Control (ECDC) nor national ones, such as the Centers for Disease Control and Prevention, GA, USA (CDC) or the German RKI, substantiate with sound scientific data a positive effect of masks in the public (in terms of a reduced rate of spread of COVID-19 in the population)." Exhibit iv, p. 24. For these reasons, students who are required to wear masks pursuant to a mandate suffer immediate and irreparable injury, loss, or damage.

38. In summary:

- a. PPE is the least desirable way to protect people from very small airborne aerosols.
- b. Facial coverings as required by the MCSD policy are not recognized as PPE since they cannot be sealed and are not covered by the OSHA RPS.
- c. If PPE were to be used for protection, respirators, not facial coverings as required by the MCSD policy are needed to provide any effective protection from very small airborne aerosols.
- d. Very small aerosol particles are more likely to be a greater cause of disease than respiratory droplets because they can evade PPE and reach deep into the lungs, whereas respiratory droplets have to work against gravity in order to travel up a person's nose into the sinus.
- e. Much better alternatives to controlling exposure are available (i.e., engineering controls of dilution ventilation with increased fresh air and destruction), and should be used to minimize exposures as opposed to masks.
- f. Individuals who are required to wear masks pursuant to a mandate suffer immediate and irreparable injury, loss, and damage due to the overall possible resulting measurable drop in oxygen saturation of the blood on one hand and the increase in carbon dioxide on the other, which contributes to an increased noradrenergic stress response, with heart rate increase and respiratory rate increase and, in some cases, a significant blood pressure increase.

Plaintiffs note that the Commonwealth of Pennsylvania was given \$7,745,724,379 pursuant to the American Rescue Plan ("ARP") Act of 2021 by agreeing to implement the federal guidelines set forth by the CDC for COVID-19 mitigation efforts. See the attached letter from the U.S.

"B". Exhibit See also, Education, attached hereto as of Secretary https://oese.ed.gov/files/2021/08/Pennsylvania-ARP-ESSER-State-Plan-Final.pdf. . On September 8, 2021, Noe Ortega, Ph.D., the Secretary of Education, of Commonwealth of Pennsylvania Department of Education sent a quid pro quo threatening letter (in reading it clearly exhibits the mantra 'do as I say or suffer the consequences) attached hereto as Exhibit "C". The letter links to available https://www.cdc.gov/coronavirus/2019-CDC guidelines at: the ncov/community/schools-childcare/operation-strategy.html. The guidelines suggest that a school board would forfeit ARP allocations by making masks optional, and states that have prohibited mask mandates in schools received letter notifying them that they will not receive ARP funds. Accordingly, it seems Defendants have a financial incentive for implementing the mask mandate, despite such a requirement serves no scientific purpose, and subjects individuals who wear masks to the health risks discussed above.

Plaintiff, Renee P. Fagan is the parent and legal guardian of a special needs child minor child MF is aggrieved by the immediate and irreparable injury, loss, and damage suffered by minor special needs child because minor child is unable to wear a mask pursuant to the School Board's mask mandate optional or otherwise, which is not only unsupported by science, but which also results in the possible resulting measurable drop in oxygen saturation of the blood on one hand and the increase in carbon dioxide on the other, which contributes to an increased noradrenergic stress response, with heart rate increase and respiratory rate increase and, in some cases, a significant blood pressure increase.

LAW AND ARGUMENT

The Federal Rules of Civil Procedure permit this Court to issue a temporary restraining order under certain conditions. Specifically, the Rules provide the following:

(b) Temporary Restraining Order.

(1) Issuing Without Notice. The court may issue a temporary restraining order without mitten or oral notice to the adverse party or its attorney only if: (A) specific facts in an affidavit or a verified complaint clearly show that <u>immediate</u> and <u>irreparable</u> injury, loss, or damage will result to the movant <u>before the adverse party can be heard in opposition</u>; and (B) the movant's attorney certifies in writing any efforts made to give notice and the reasons why it should not be required."

Fed. R. Civ. P. 65(b)(1) (emphasis added). "The decision to grant a preliminary injunction requires weighing whether the moving "party (1) 'establish[ed] that lie is <u>likely to succeed on the merits,'</u> (2) 'that he is likely to suffer <u>irreparable harm</u> in the absence of preliminary relief,' (3) 'that the balance of <u>equities tips in his favor,'</u> and (4) 'that an <u>injunction is in the public interest.'''</u> Fowler v. Benson, 924 F.3d 247, 256 (6th Cir. 2019) (quoting Winter v. Nat. Res. Del: Council, Inc., 555 U.S. 7, 20 (2008) (emphasis added)). Mich. Educ. Ass'n Family Retired Staff Ass'n v. Mich. Educ. Ass'n (6th Cir. 2021).

Plaintiff, is aggrieved by the immediate and irreparable injury, loss, and damage suffered. because Plaintiff is required to wear a mask pursuant to the North Allegheny School Board's mask mandate, which is not only unsupported by science, but which also results in the possible resulting measurable drop in oxygen saturation of the blood on one hand and the increase in carbon dioxide on the other, which contributes to an increased noradrenergic stress response, with heart rate increase and respiratory rate increase and, in some cases, a significant blood pressure increase. Plaintiff is likely to succeed on the merits, will continue to suffer irreparable harm in the absence of preliminary relief, the balance of requires tip in their• favor, and an injunction is in the public interest.

<u>Violation of Procedural Due Process -</u>
(U.S. Const. amend. V, XIV and PA Const. Art. I, § 9)

In order establish a claim under section 1983 of the Civil Rights Act, a plaintiff must prove a Defendant: (a) acted under the color of state law; (b) proximately causing; (c) the Plaintiff to be deprived of a federally protected right. 42 U.S.C. §1983. In the instant case, Defendants unquestionably acted under the color of state law. Each Individual Defendant is an elected, voting member of the Council Rock School District Board of Education with the exception of Defendant Dr. Robert Fraser, Ed.d., who is the Superintendent of the North Allegheny School District. Under the Fifth Amendment to the Constitution, no person may be deprived of life, liberty, or property without due process of law. U.S. Const. Ann., Amendment V. The Fourteenth applies the protections of the Fifth Amendment to state actors. U.S. Const. Ann., Amendment XIV. Similarly, Article 1, § 11 of the Pennsylvania Constitution provides, " All courts shall be open; and every man for an injury done him in his lands, goods, person or reputation shall have remedy by due course of law, and right and justice administered without sale, denial or delay. Suits may be brought against the Commonwealth in such manner, in such courts and in such cases as the Legislature may by law direct." Article .1, § 9 of the Pennsylvania Constitution affords the people of Pennsylvania with right to be free from violations of the procedural due process rights, and no person may be deprived of life, liberty, or property without due process of law.

Plaintiffs have constitutionally protected interests in the benefits that come from the not being subject to the Board's mask mandate, including the ability to pursue an education without being subjected to health risks that are not offset by any scientifically provable benefits. Defendants' implementation of the mask policy unlawfully deprives Plaintiffs of these and other constitutionally-protected interests without due process of law. Such deprivation occurred with no notice or meaningful opportunity to be heard as the Superintendent instated the mask mandate prior to offering an opportunity for public discussion. Such deprivation was arbitrary, capricious,

based on ignorance without inquiry into facts, and in violation of the School Board's own policies and other• applicable laws. Such deprivation violates the Fifth and Fourteenth Amendments of the Unites States Constitution.

Violation of Procedural Due Process, Reservation of the People Powers and the Discrimination by Commonwealth and its political subdivisions. (PA Const. Art. I, § 11, 25 & 26) Against All Defendants

Under Article 1, § 11 of the Pennsylvania Constitution provides, "All courts shall be open; and every man for an injury done him in his lands, goods, person or reputation shall have remedy by due course of law, and right and justice administered without sale, denial or delay. Suits may be brought against the Commonwealth in such manner, in such courts and in such cases as the Legislature may by law direct." It also affords the people of Pennsylvania with right to be free from violations of the procedural due process rights, and no person may be deprived of life, liberty, or property without due process of law. Article 1, § 25 of the Pennsylvania Constitution affords the people of Pennsylvania with Reservation of powers in people rights to be free from violations and to guard against transgressions of the high powers which have been delegated, and declared that everything is excepted out of the general powers of government and shall forever remain inviolate Article 1, § 26 of the Pennsylvania Constitution affords the people of Pennsylvania the rights have been infringed upon to be free from violations wherein neither the Commonwealth nor any political subdivision thereof shall deny to any person the enjoyment of any civil right, nor discriminate against any person in the exercise of any civil right.

The Council Rock School District is a quasi-governmental agency with arbitrary powers and their subordinate school is imposing and infringing upon Plaintiff constitutionally rights with their illegal and unlawful mandates of masking optional or otherwise. They are in direct violation of the oaths to do no harm, lack the necessary authority to force Plaintiffs or anyone to

comply. Plaintiff has constitutionally protected interests in the benefits that come from the not being subject to the Board's mask mandate, including the ability to pursue her employment without being-subjected to health risks that are not offset by any scientifically provable benefits. Defendants' implementation of the mask policy unlawfully deprives Plaintiff of her and others constitutionally protected interests without due process of law. Such deprivation occurred with no notice or meaningful opportunity to be heard, as the Superintendent instituted the mask mandate prior to offering an opportunity for public discussion. Such deprivation was arbitrary, capricious, based on ignorance without inquiry into facts, and in violation of the School Board's own policies and other applicable laws. Such deprivation violates Article 1, §11 of the Pennsylvania Constitution.

CONCLUSION

For these reasons, Plaintiffs respectfully request that the Court (i) vacate and set aside the Defendants' mask mandate as well as any other action taken by Defendants to institute the mask mandate and implement the provisions of the mask policy; (ii) declare that the Defendants' masking policy is void and without legal force or effect; (iii) declare that the institution of the mask policy and actions taken by Defendants to implement the mask policy are arbitrary, capricious, based on ignorance due to failure to inquire into facts, otherwise not in accordance with law, and without observance of required procedures; (iv) declare that the mask policy and the actions taken by Defendants to implement the mask policy are in violation of the Constitution and contrary to the laws of the United States and the Commonwealth of Pennsylvania; (5) temporarily restrain, as well as preliminarily and permanently enjoin Defendants, their agents, servants, employees, attorneys, and all persons in active concert or participation with any of them, from implementing or enforcing the mask policy and from

taking any other action to implement the masking policy that is not in compliance with applicable law; and (6) grant such other and further relief as may be just, equitable, and proper including without limitation, an award of attorneys' fees and costs to Plaintiffs.

Respectfully submitted this 22nd day of September, 2021.

Respectfully Presented,

All Rights Reserved, Without Prejudice & Without Recourse

Renee P. Fagan, sur juris pro se

40 Rembrandt Lane Holland, PA 18966

Telephone: (267)-784-9142

Renee P. Fagan, individually and as a parent,

of a special needs minor child, MF

EXHIBIT "A"

AFFIDAVIT OF STEPHEN E. PETTY, P.E., C.I.H., C.S.P.

Before me, the undersigned authority, on this day personally appeared STEPHEN E. PETTY ("Affiant") who, being by me first duly sworn, deposes and says:

- 1. I am an adult in sound mind and body and have personal knowledge of the fact averred herein.
- 2. Since April 14, 1996, I have owned and operated EES Group, Inc., a consultancy corporation specializing in health and safety and forensics.
- 3. I hold relevant industry certifications including board certifications as a C.I.H. (Certified Industrial Hygienist), a C.S.P. (Certified Safety Professional), and a P.E. (Professional Engineer) in six states (Florida, Kentucky, Ohio, Pennsylvania, Texas, and West Virginia). My curriculum is attached hereto as **Exhibit i**.
- 4. I have served as an expert in personal protective equipment and related disciplines in approximately 400 legal cases. I am certified in and have provided testimony as an expert in these areas. My list of representative cases is attached hereto as **Exhibit ii**.
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- 7. I hold nine U.S. patents relating to heating, ventilation and air conditioning (HVAC) systems.
- 8. I am a current member in good standing of the following relevant associations: American Industrial Hygiene Association (AIHA), American Board of Industrial Hygiene (ABIH), American Conference of Governmental Industrial Hygienists (ACGIH), American Institute of Chemical Engineers (AIChE), American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE); Member ASHRAE 40 Std. and TC 2.3, and Sigma Xi.
- 9. I am an expert in the field of Industrial Hygiene, which is the science and art devoted to the anticipation, recognition, evaluation, and control of those environmental factors or stressors including viruses arising in or from the workplace, which may cause sickness, impaired health and well-being, or significant discomfort among workers or among the citizens of the community.
- 10. Industrial Hygiene is fundamentally concerned with the proper methods of mitigating airborne/dermal hazards and pathogens, as well as with the design and use of engineering controls, administrative controls, and personal protective equipment, among other things.

- 11. Medical doctors, virologists, immunologists, and many public health professionals are not qualified experts in these areas by virtue of those aforementioned credentials.
- 12. On May 7, 2021, the Centers for Disease Control (CDC) updated its guidance, providing that the primary mechanism for transmission of Covid-19 is through airborne aerosols, and not, as previously stated, by touching contaminated surfaces or through large respiratory droplets, as also stated during previous periods of the pandemic.
- 13. Airborne viral aerosols can consist of a single viral particle or multiple viral particles clumped together, and usually smaller than 5 μ (microns) in size. By comparison, droplets are >5 μ to >10 μ in size.
- 14. The area of a micron by a micron is approximately 1/4,000th of the area of the cross-section of a human hair and 1/88th the diameter of a human hair. Covid particles are 1/10 of a micron or $\sim 1/40,000$ th of the area of a cross section of a human hair and $\sim 1/880$ th the diameter of a human hair.
- 15. A recent University of Florida study capturing air samples within an enclosed automobile cabin occupied by a Covid-positive individual showed that the only culturable Covid-19 virus samples obtained were between 0.25μ to 0.5μ in size. Particles smaller than 5μ are considered very small and/or very fine or aerosols.
- 16. Very small particles do not fall by gravity in the same rate that larger particles do and can stay suspended in still air for a long time, even days to weeks.
- 17. Because they stay suspended in concentration in indoor air, very small particles can potentially accumulate and become more concentrated over time indoors if the ventilation is poor.
- 18. Very small airborne aerosols pose a particularly great risk of exposure and infection because, since they are so small, they easily reach deep into the lung. This explains in part why Covid-19 is so easily spread, and why so little Covid-19 is required for infection.
- 19. Exposure to airborne aerosols is a function of two primary parameters: concentration and time. Less is better regarding both parameters.
- 20. For many reasons, personal protective equipment (PPE) is the <u>least</u> desirable way to protect people from very small airborne aerosols. Moreover, masks are not PPE since they cannot be sealed and do not meet the provisions of the Occupational Safety and Health Administration (OSHA) Respiratory Protection Standard (RPS), namely 29 CFR 1910.134.
- 21. Regarding PPE, facial coverings do not effectively protect individuals from exposure to very small airborne aerosols. A device referred to as a respirator is required to provide such protection.

- 22. The AIHA, in their September 9, 2020 Guidance Document for COVID-19 (Exhibit iii) noted that the acceptable relative risk reduction methods must be ≥90%; masks were shown to be only 10% and 5% (see Exhibit iii Figure 2) and far below the required 90% level.
- 23. Similarly, Shah et al, 2021 (**Exhibit iv**), using ideally sealed masks and particles 1 micron in size, reported efficiencies for the more commonly used cloth masks and surgical masks of 10% and 12% respectively. No mask can be perfectly sealed, thus "real world" effectiveness would be even lower.
- 24. Industrial hygienists refer to a "Hierarchy of Controls" that are typically implemented to minimize exposures, including exposures to very small airborne aerosols like Covid-19.
- 25. Regarding practical or "engineering" controls, industrial hygienists focus on practices that dilute, destroy, or contain airborne hazards (or hazards in general).
- 26. PPE especially facial coverings do not dilute, destroy, or contain airborne hazards. Therefore, facial coverings are not contained in the Industrial Hygiene (IH) Hierarchy of Controls. Even respirators (part of the PPE Category and not masks) are in the last priority on the Hierarchy of Controls.
- 27. Facial coverings are not comparable to respirators. Leakage occurs around the edges of ordinary facial coverings. Thus, ordinary facial coverings do not provide a reliable level of protection against inhalation of very small airborne particles and are not considered respiratory protection.
- 28. For example, during the seasonal forest fires in the summer of 2020, the CDC issued public guidance warning that facial coverings provide no protection against smoke inhalation. That is because facial coverings do not provide a reliable level of protection against the small particles of ash contained in smoke. Ash particles are substantially larger than Covid-19 aerosolized particles.
- 29. I have reviewed the Mayfield City School District (MCSD) "Protective Facial Covering Policy During Pandemic/Endemic Events" as set forth in the Policy Manual of the MCSD Board of Education.
- 30. Ordinary facial coverings like the ones required by the MCSD facial covering policy do not meet any of the several key OSHA Respiratory Protection Standards for respirators.
- 31. Because of the gaps around the edges of facial coverings required by MCSD's policy, they do not filter out Covid-19 aerosols. The policy stating masks will be worn without gaps defies known science that masks worn today cannot be sealed and always have gaps.
- 32. The effectiveness of a cloth facial covering falls to zero when there is a 3% or more open area in the edges around the sides of the facial covering.
- 33. Most over-the-counter disposable facial coverings have edge gaps of 10% or more. When adult-sized facial coverings are used by children, edge gaps will usually greatly exceed 10%.

- 32. Even short breaks (e.g. to eat) expose individuals to Covid-19 aerosols in indoor spaces.
- 33. Ordinary cloth facial coverings like the ones required by the MCSD mask requirement do not provide any filtering benefit relative to particles smaller than 5µ if not sealed.
 - 34. Substantial mitigation of Covid-19 particles could be immediately achieved by:
 - a. opening windows and using fans to draw outdoor air into indoor spaces (diluting the concentration of aerosols),
 - b. setting fresh air dampers to maximum opening on HVAC systems,
 - c. overriding HVAC energy controls,
 - d. increasing the number of times indoor air is recycled,
 - e. installing needlepoint ionization technology to HVAC intake fans, and
 - f. installing inexpensive ultraviolet germicide devices into HVAC systems.
 - 35. All of the above-referenced techniques are more effective and meet standard industrial hygiene hierarchy of controls (practices) for controlling exposures in place for nearly 100 years. The use of cloth facial coverings do not fit within these basic hierarchy of controls since masks are not PPE and cannot be sealed. There are no OSHA standards for facial coverings (masks) as respiratory protection.
 - 36. Extended use of respiratory PPE is not indicated without medical supervision.
 - 37. As explained in an article titled "Is a Mask That Covers the Mouth and Nose Free from Undesirable Side Effects in Everyday Use and Free of Potential Hazards?" that was published on April 20, 2021, in the *International Journal of Environmental Research and Public Health* and that is attached to this Affidavit as **Exhibit v**, the following negative effects from wearing masks was reported in the literature:

increased risk of adverse effects when using masks: **Neurological Diseases** Psychiatric Illness Internal diseases Migraines and Headache Sufferers Claustrophobia Patients with intracranial Masses Panic Disorder Sleep Apnea Syndrome Personality Disorders **Epilepsy** advanced renal Failure Dementia Schizophrenia Cardiopulmonary Dysfunction helpless Patients Asthma fixed and sedated Patients Occupational Health Restrictions **ENT Diseases** Pediatric Diseases moderate / heavy physical Work Vocal Cord Disorders Asthma Rhinitis and obstructive Diseases Respiratory diseases **Gynecological restrictions** Cardiopulmonary Diseases **Dermatological Diseases** Pregnant Women Neuromuscular Diseases **Epilepsy** Atopic

Figure 5. Diseases/predispositions with significant risks, according to the literature found, when using masks. Indications for weighing up medical mask exemption certificates.

Example statements made in the paper include the following: "The overall possible resulting measurable drop in oxygen saturation (O2) of the blood on the one hand and the increase in carbon dioxide (CO2) on the other contribute to an increased noradrenergic stress response, with heart rate increase and respiratory rate increase, in some cases also to a significant blood pressure increase." Exhibit v, p. 25. In fact, "Neither higher level institutions such as the WHO or the European Centre for Disease Prevention and Control (ECDC) nor national ones, such as the Centers for Disease Control and Prevention, GA, USA (CDC) or the German RKI, substantiate with sound scientific data a positive effect of masks in the public (in terms of a reduced rate of spread of COVID-19 in the population)." Exhibit v, p. 24, for these reasons, students who are required to wear masks pursuant to a mandate suffer immediate and irreparable injury, loss, or damage.

38. In summary:

- a. PPE is the least desirable way to protect people from very small airborne aerosols.
- b. Facial coverings as required by the MCSD policy are not recognized as PPE since they cannot be sealed and are not covered by the OSHA RPS.
- c. If PPE were to be used for protection, respirators, not facial coverings as required by the MCSD policy are needed to provide any effective protection from very small airborne aerosols.
- d. Very small aerosol particles are more likely to be a greater cause of disease than respiratory droplets because they can evade PPE and reach deep into the lungs, whereas respiratory droplets have to work against gravity in order to travel up a person's nose into the sinus.

- e. Much better alternatives to controlling exposure are available (i.e., engineering controls of dilution ventilation with increased fresh air and destruction), and should be used to minimize exposures as opposed to masks.
- f. Individuals who are required to wear masks pursuant to a mandate suffer immediate and irreparable injury, loss, and damage due to the overall possible resulting measurable drop in oxygen saturation of the blood on one hand and the increase in carbon dioxide on the other, which contributes to an increased noradrenergic stress response, with heart rate increase and respiratory rate increase and, in some cases, a significant blood pressure increase.

Stephen Petty, P.E., C.I.H., C.S.P.

STATE OF OHIO

COUNTY OF FRANKLIN

	Sworn to	and	subscribed	before	me	this	1st	day	of	Septemb	er,	2021,	by
Steph	en Petry		subscribed, () who	is pe	rsona	lly kı	nown	to m	ne or ()	who	o produ	iced
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NOTARY PUBLIC, State of ONIO

Commission No.

My commission expires: 2-3-2026

LORI A JONES Notary Public State of Ohio My Comm. Expires February 3, 2026

EXHIBIT i

Mr. Stephen E. Petty, P.E., C.I.H., C.S.P. President

Company

EES Group, Inc. (d/b/a - Engineering & Expert Services, Inc.) 1701 E. Atlantic Blvd., Suite 5 Pompano Beach, FL 33060

Education

B.S., Chemical Engineering, University of Washington M.S., Chemical Engineering, University of Washington M.B.A., University of Dayton

Experience

General

Mr. Petty is President of EES Group, Inc. (Engineering & Expert Services, Inc.). He started EES Group, Inc. in 1996, ultimately having offices in Ohio (Columbus and Cleveland) and in Florida (Pompano Beach). In 2015, he sold the Ohio portion of EES Group, Inc. while retaining Florida operations. Prior to starting EES Group, Inc. in 1996, Mr. Petty was the Manager of Residential and Commercial Technology at Columbia Energy and a Senior Research Engineer at Battelle. He has 37 years of forensic engineering, environmental health and safety, and energy experience. Since 2002, he has completed or supervised over 7,000 engineering forensic and health and safety projects for nearly 100 clients. This culminated in the writing of a Forensic Engineering textbook targeted at assessing claims for the insurance industry (*Forensic Engineering: Damage Assessments for Residential and Commercial Structures*, January 3, 2013, CRC Press publication; 2nd Edition to issue in 2022).

Mr. Petty's health and safety experience has focused on projects for the legal community (expert witness), the insurance industry, institutions, and the private sector. His expertise covers the area of Professional Engineering (PE's in six states), Industrial Hygiene (registered Certified Industrial Hygienist - CIH) and safety (registered Certified Safety Professional - CSP). As a CIH, he investigates the causes/solutions of an individual's sickness, impaired health, and discomfort at work and in the home. As a CSP, he investigates situations primarily arising out of possible Occupational Safety and Health Administration (OSHA) violations associated with workplace injuries. In other cases, this extends to customers injured at facilities where they are working or shopping. Finally, he is a certified Asbestos Evaluation Specialist in Ohio.

Mr. Petty has been involved in ~400 expert witness cases to date, with a primary focus on exposure to organic chemicals, inorganic chemicals, pesticides, PFOA, PFAS, mold, bacteria (Legionella), heat and bio-toxins; OSHA workplace compliance (chemical exposures, amputations, and slips, trips and falls, and building envelope systems). He has also supported/testified on building envelope, water cause and origin, structural, and roof damage claims. His company assembled a nine-member team of experts that

won the expert witness contract for the Ohio School Facilities Commission (OSFC) from 2004-2008.

Mr. Petty has extensive expertise on heating, ventilation and air conditioning (HVAC) systems and holds nine (9) U.S. patents primarily related to HVAC systems.

His safety and environmental experience also includes completion of many complex projects in Risk Assessment (BUSTR, EPA and VAP), Industrial Hygiene, Process Safety Management (PSM), Risk Management Plans (Health and Safety Audits), Environmental Assessments (EA) and Environmental Impact Statements (EIS), and air and water permits (PTI, PTO, NPDES, etc.) for numerous clients across the United States.

Finally, he has served in a leadership role in technology evaluations, business plans, and product development activities for dozens of products and ventures. He has been the invited dinner/lunch speaker to ASHRAE/AIHA and legal association functions.

Health and Safety Experience

- Mr. Petty has been utilized as an expert witness in ~400 cases primarily related to human exposure(s) and safety (OSHA). In the exposure area, he has worked/testified on cases of exposure to acid gases, benzene, isocyanates, formaldehyde, gasoline, paint products, other organic chemicals, PFOA/PFAS silica, pesticides, Legionella and other bacteria and molds. In the safety area, he has worked/testified in worker exposure to chemicals, falls, and amputation cases and the standard of care required to protect workers and customers. He is recognized for his ability to reduce complex sets of information regarding exposure and compliance with regulatory standards into simple but accurate reports and presentations. Areas of practice include:
 - Occupational Safety and Health Administration Regulations:
 - OSHA Health and Safety Regulations for Workers 29 CFR 1910
 General Industry and 29 CFR 1926 Construction Industry
 - OSHA Process Safety Management of Highly Hazardous Chemicals - 29 CFR 1910.119
 - Personal Protective Equipment PPE 29 CFR 1910.132
 - Respiratory Protection Standard 29 CFR 1910.134 and preceding/current ANSI Z88 Standards.
 - 29 CFR 1910.1000 OSHA PEL and Controls Standard
 - 29 CFR 1910.1028 Benzene Standard
 - Hazard Communication Standard HAZCOM 29 CFR 1910.1200 and preceding/current ANSI Z129.1 (Precautionary Labeling), ANSI Z400.1 (MSDS Preparation) and LAPI Industry Standards (7 Editions from 1945 forward).
 - Mine Safety Health Administration (MSHA) EH&S Regulations 30 CFR Parts 1 to 199

- United State Environmental Protection Agency USEPA 40 CFR (Including pesticides, hazardous wastes, permitting, remediation, and Process Safety Management).
- DOT Transportation Regulations and Spill Response Hazardous Waste Operations and Emergency Response (HAZWOPER) - 46 CFR.

Mr. Petty is also trained in Hazardous Waste Operations and Emergency Response (HAZWOPER) (40-hr.) and has served as a trainer for the 40-hr. course.

- Mr. Petty is a recognized expert in Risk Assessment (RA) having been one of 14 to take the first Risk Assessment courses offered by the Ohio State University & University of Cincinnati Schools of Public Health in 1997. In addition to having completed a dozen risk assessments, he was selected by the State of Ohio Bureau of Storage Tank Regulators (BUSTR) to help write their 1999 UST RA regulations. He was selected to train BUSTR staff RA (5-week course) and to help write the on-line RA webpage, proof the equations, and to help with the on-line help handbook.
- He has completed dozens of indoor air sampling projects for residential, commercial, and industrial clients. Clients include Grange Insurance Company, Northwest Local School District, Children's Hospital, Berger Hospital, Citgo, Salem University, and Nestle.
- He has completed dozens of mold field evaluation projects. In this area, he attended a one-week ACGIH mold course in late 2002. He also received his residential mold inspector credentials from the IESO in 2003.
- Examples of specific projects completed are:
 - Conducted worker illness IAQ program where Iraqi documents were being scanned. Sampled for anthrax, bio-toxins, mold, bacteria, VOCs, CO and CO₂, temperature and humidity to help determine cause of worker complaints.
 - Sampled surface and materials for anthrax and bio-toxins at two commercial facilities.
 - Selected and completed analysis to determine cause of illness to players in their locker room at Nationwide Arena for the Columbus Blue Jackets professional hockey team.
 - Served as an expert to the OSFC on building HVAC and human comfort issues in school buildings.
 - Developed implementation templates for several Process Safety Management (PSM) and Risk Management Program (RMP) clients (e.g. Nestle facilities).
 - Prepared public meeting presentation materials for AEP RMPs at their Conesville and Tanners Creek power plants. Focus was to match public legal requirements with needs of the client, and development and presentation of worst case and alternative case release scenarios under Part 68 of 40 CFR.

- Completed PSM programs for two Southwest Research Institute (SwRI) facilities and two Nestle facilities. Focus was on completing process hazards analyses (PrHAs) and on setting up ongoing PSM programs. For Nestle, set up file-based system, wrote plans for all 14 major elements, and provided detailed checklists and guidance on sections such as training, mechanical integrity, etc.
- Completed multiple ventilation projects for American Electric Power Plant facilities to determine best locations (performance vs. cost) for hazardous gas monitors in power plants and whether or not ductwork was contaminated with mold.
- Completed series of EH&S projects for Dublin schools (e.g. air quality audits and noise analyses). Completed air clearance testing and reporting and held public meetings for the vandalism clean-up efforts of Grizzell Middle School.
- Conducted industrial hygiene audits and testing for numerous public and private clients. Focused on HVAC systems, sampling (CO, CO₂, relative humidity, molds, dust, bacteria, formaldehyde, VOCs, and isocyanates) and remediation/abatement.
- Completed Failure Modes & Effects Analyses (FMEA) for DOD BZ Nerve Agent Plant design. Plant was later built, operated, and decommissioned in Pine Bluff, AR without incident.
- Developed IAQ solutions based on ASHRAE Standards and new technologies (e.g. desiccants).
- Developed and taught OSHA HAZWOPPER courses (40-hr, 24-hr and 8-hr).
- Voting member ASHRAE TC 8.3; corresponding member ASHRAE TC 3.5 (Desiccants).
- Adjunct Professor at Franklin University. Instructor of Environmental and Earth Sciences courses.

Engineering Experience

- President and Owner of EES Group, Inc. (EES) since 1996. Developed EES into one of the leading forensic companies in the state of Florida and Ohio.
- Author of Forensic Engineering: Damage Assessments for Residential and Commercial Structures, January 3, 2013, a CRC Press publication (2nd Edition to issue in early 2022). The book provides guidance on engineering claims assessments for the insurance industry.
- Developed forensics libraries and technical bulletins on how to assess insurance claims and fraud associated with claims. Lead author of refereed journal article reviewing hail damage from ~750 individual assessments.
- Completed or supervised over 7,000 forensics inspection projects for ~100 insurance companies and other private sector clients since 2002. Projects were associated with structural failures in residential and commercial buildings,

structural damage and failures caused by vehicles striking buildings, water causation and origin analysis, causes of plumbing failures, HVAC failures and damage, roof system failures and structural damage, mold cause, origin and removal, lead cause and removal, hail damage, and lightning claims. Also completed or supervised over 200 insurance appraisals (negotiated settlements) for the industry. Was selected and completed role as an umpire for a 36-building one million dollar hail claim dispute. Testified in trial on roofing claim disputes. Specifically requested for difficult projects and for projects in the state of Texas.

- Led company in efforts to bid and win roofing and environmental contracts with the Ohio School Facilities Commission (OSFC).
- Managed the turnkey design, permitting, and building of a fuel farm facility (\$750K) for The Ohio State University (OSU) Airport (2000). Project entailed the layout, design, and installation of six aboveground storage tanks (ASTs), 12,000 gallons each, and the removal and closure of four existing USTs. Fuels included Jet-A and Av-Gas. Project roles included site plans/layouts, preparation of subcontractor specifications, construction oversight, concrete foundation and subsurface design, permitting (PTI and PTO), start-up troubleshooting, and commissioning activities.
- Was lead researcher on two teams of nationally recognized residential and commercial heat pump development programs: i) Battelle (Double-Effect Absorption Heat Pump) and ii) Columbia Gas System (Dual Cycle Heat Pump). Both projects met goals for performance (efficiency and capacity). Research resulted in receipt of six U.S. Patents.
- Co-designed parking lot and storm-water collection system for major trucking firm on 40-acre site in Cleveland. Project began as a site assessment and concluded with facility design.
- Process engineer for 200 million gallons-per-day wastewater treatment plant for a Weyerhaeuser paper mill.
- Evaluated incineration technology and cost/benefit for an incinerator that burned organophosphate and chlorinated thio-ether wastes. Developed source term for present and future emissions under varying load rates.
- Prepared a carbon treatment designs for removing organophosphates and chlorinated thio-ether, and nerve agents from wastewater.
- > Designed/permitted first of three mobile wastewater treatment facilities in the State of Ohio.
- Developed a process to eliminate HF/tar hazardous waste generation from an electronics manufacturing process.
- Developed processes to reduce contamination of water from oil spills, including biodegradation and controlled combustion.
- Conducted bench-scale analysis of reverse osmosis, ultrafiltration, wet air oxidation, and solvent extraction treatment processes.

Environmental Experience

- Provided 8-hr. Tier 1 & Tier 2 training to State of Ohio BUSTR site coordinators (May 23, 2000).
- Provided approximately 40 hours of Risk Assessment Training (five 8-hr. training sessions) to BUSTR coordinators (May 1999).
- Member of BUSTR's new rules advisory committee (1999).
- Completed over a dozen BUSTR Tier 2 and Tier 3 Risk Assessments (RA) for clients such as CITGO, AEP, Anderson Concrete, and the Port Columbus Airport Authority. Creative solutions saved years of remediation and millions of dollars.
- Completed BUSTR Tier 4 RA for American Electric Power.
- Completed Environmental Assessment for NASA Lewis Rocket Engine Test Facility.
- Completed dozens of Federal/State air, water, and hazardous waste permits (e.g., PTI, PTO, FESOP and NPDES) for dozens of industrial clients.
- Developed Spill Prevention, Controls and Countermeasures (SPCC) Plan template according to 40 CFR 112. Developed SPCC template, which has been audited and accepted by Ohio EPA. Prepared site-specific SPCC's for clients such as L.J. Minor (Cleveland), Mickley Oil Company, Doersam LLC, Federal Express Corporation (Blue Ash), and Central Ohio Asphalt.
- Prepared hazardous waste evaluation for the NASA–Merritt Island Environmental Impact Assessment of Space Shuttle SRB refurbishing facility in a wildlife area.
- Developed a portion of the database used in preparing the original Resource Conservation and Recovery Act (RCRA).
- Developed BUSTR Residential and Commercial Risk Assessment (RA) Models.

Other Experience

- Responsible for all intellectual property (e.g., patents) and commercialization of residential, commercial, vehicle, and fuel cell technology for Columbia Gas System and their development partners.
- Served on 11 Industry Advisory Bodies [Gas Research Institute (GRI), American Gas Association (AGA), U.S. Department of Energy Funding Initiative \$2 billion (USDOE-FI), and Gas Utilization Research Forum (GURF)].
- Served as U.S. DOE expert reviewer on cooling, heat pump, desiccant, and power generation proposals.
- > Served on U.S. DOE expert review panel for desiccant program area.
- Prepared business acquisition due diligence for Columbia Gas System corporate staff (e.g. micro-turbines).
- Provided technical and business due diligence for three venture capital firms on a dozen emerging markets.

- Authored budget recommendations for DOE Funding Initiative in Power Generation, Cooling, and NGV areas based on industry consensus meetings.
- Served/Serving on ANSI and ASHRAE Standards Working Groups (Z21.40 and SPC 40).
- Provided keynote presentations on Energy Deregulation for four major utilities and several industry groups.
- Completed nationally recognized market research on U.S. cooling, refrigeration, and controls markets.

Certifications, Registrations, and Honors

Registered Professional Engineer, State of Florida #76583, State of Kentucky #24116, State of Ohio #49063, State of Pennsylvania #PE-053899-E, State of Texas #101855 (also listed windstorm inspector), and State of West Virginia #16311

Certified Industrial Hygienist, 8067 CP, November 2000.

Certified Safety Professional, 23563, November 2012

Asbestos Hazard Evaluation Specialist - State of Ohio #ES34643

Certified Residential Mold Inspector - (IESO) - 2004

ASHRAE Certificate of Appreciation, May 2002, ASHRAE Standard 40.

ASHRAE Fundamentals of HVAC Systems – 35 CEUs (Feb. to April 2008).

AIHA CIH Refresher (Univ. of Michigan) - 40-hr. class - 1998

Certificate of Accomplishment in Risk Assessment from The Ohio State University School of Public Health – 120-hr. class – 1997

Certificate of Achievement – Ohio Department of Transportation 80-hr. class – Managing in the Environmental Process – 1997

Roof Consulting Institute (RCI) Courses:

- Advanced Thermal & Moisture Control (5/14/2008)
- Professional Roof Consulting (5/15-16/2008)
- Roof Technology & Science I (9/15-16/2009)
- Roof Technology & Science II (9/17-18/2009)

Undergraduate Scholarships from the Pulp and Paper Foundation Scholarship Fund for Freshman, Sophomore, and Junior Years.

Certificate of High Scholarship – Department of Chemical Engineering – University of Washington – Jr. Year - 1978.

Undergraduate Scholarship from Department of Chemical Engineering, Senior Year.

Undergraduate B.S. Ch.E. - Cum Laude.

Graduate School - M. S. Ch. E. - 2nd in Class

Raymond Roesch Award, University of Dayton, (awarded annually to top MBA graduate); graduated first in MBA class with 4.0 GPA – 1988.

Memberships

Member, American Industrial Hygiene Association (AIHA)

Member, American Conference of Governmental Industrial Hygienists (ACGIH)

Member, American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE). Voting Member TC 8.3.

Member, American Institute of Chemical Engineers (AIChE)

Member, Indoor Environmental Standards Organization (IESO)

Member, Roof Consulting Institute (RCI)

Member, Society of Automotive Engineers (SAE)

Member, Sigma Xi

U.S. Patents

- U.S. 6,649,062. November 18, 2003. Fluid-Membrane Separation. Petty.
- U.S. 6,109,339. August 29, 2000. Heating System. Talbert, Ball, Yates, Petty, and Grimes.
- U.S. 5,769,033. June 23, 1998. Hot Water Storage. Petty and Jones.
- U.S. 5,636,527. June 10, 1997. Enhanced Fluid-Liquid Contact. Christensen and Petty.
- U.S. 5,546,760. August 20, 1996. Generator Package for Absorption Heat Pumps. Cook, Petty, Meacham, Christensen, and McGahey.
- U.S. 5,533,362. July 9, 1996. Heat Transfer Apparatus for Heat Pumps. Cook, Petty, Meacham, Christensen, and McGahey.
- U.S. 5,339,654. August 23, 1994. Heat Transfer Apparatus for Heat Pumps. Cook, Petty, Meacham, Christensen, and McGahey.
- U.S. 5,067,330. November 26, 1991. Heat Transfer Apparatus for Heat Pumps. Cook, Petty, Meacham, Christensen, and McGahey.
- U.S. 4,972,679. November 27, 1990. Absorption Refrigeration and Heat Pump System with Defrost. Petty and Cook.

<u>Books</u>

Forensic Engineering: Damage Assessments for Residential and Commercial Structures, January 4, 2013, CRC Press, 804 pp.

Publications

Stephen E. Petty, 2020, Visible dust and asbestos: what does it suggest regarding asbestos exposures? Journal of Scientific Practice and Integrity. 2(1). DOI: 10.35122/001c.14496, August.

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Petty, S., B.A. Garrett-Price and G.L. McKown, 1983. *Preliminary Assessment of the Use of Heat Transfer Fluids for Solar Thermal Energy Systems*, EPA-600/S7-83-021, U.S. Environmental Protection Agency, April.

English, C.J., S.E. Petty and D.S. Sclarew, 1983. *Treatment of Biomass Gasification Wastewaters Using a Combined Wet Air Oxidation/Activated Sludge Process*, PNL-4593, Contract DE-AC06-76RLO-1830, U.S. Department of Energy, February.

Petty, S.E., W. Wakamiya, C.J. English, J.A. Strand and D.D. Mahlum, 1982. Assessment of Synfuel Spill Cleanup Options, PNL-4244, UC-11,90i,91, Contract DE-AC06-76RLO 1830, U.S. Department of Energy, April.

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SUMMARY OF PRESENTATIONS

By Stephen Petty

	LOCATION	AUDIENCE	TOPIC	DURATION (Hrs)
Burea Storaç Re	Bureau of Underground Storage Tank Regulators (BUSTR) Reynoldsburg, OH	BUSTR Chief and State Coordinators, Training Session	BUSTR RISK ASSESSMENT TRAINING Introductory Session	8 hours
Bure Stora	Bureau of Underground Storage Tank Regulators (BUSTR) Reynoldsburg, OH	BUSTR Chief and State Coordinators, Training Session	BUSTR RISK ASSESSMENT TRAINING Second Session	8 hours
Store	Bureau of Underground Storage Tank Regulators (BUSTR) Reynoldsburg, OH	BUSTR Chief and State Coordinators, Training Session	BUSTR RISK ASSESSMENT TRAINING Third Session	8 hours
Stor	Bureau of Underground Storage Tank Regulators (BUSTR) Reynoldsburg, OH	BUSTR Chief and State Coordinators, Training Session	BUSTR RISK ASSESSMENT TRAINING Fourth Session	8 hours
Stor	Bureau of Underground Storage Tank Regulators (BUSTR) Reynoldsburg, OH	BUSTR Chief and State Coordinators, Training Session	BUSTR RISK ASSESSMENT TRAINING Fifth Session	8 hours
St Bu	Bureau of Underground Storage Tank Regulators (BUSTR) Reynoldsburg, OH	BUSTR Chief and State Coordinators, Training Session	Factors Influencing Tier 1 and Tier 2 Evaluations Training Session for New Rules	8 hours
ğ	Engineer's Club, Dayton, OH	ASHRAE, Dayton Chapter, Dinner Speaker	Energy and Cost Benefit Analyses of Heating, Ventilation and Air Conditioning Systems Available for Ohio Schools	2 hours

Mr. Stephen E. Petty, P.E., C.I.H., C.S.P

DURATION (Hrs)	7 hours	1 hour	2 hours	1.5 hour	2 hours	1.5 hours	1.5 hours	1.5 hours	2 hours	8 hours	1 hour
TOPIC	Energy and Cost Benefit Analyses of Heating, Ventilation and Air Conditioning Systems Available for Ohio Schools	The Product Development Process - Case Studies	Status of BUSTR's New Rule, March 31, 1999	Energy and Cost Benefit Analyses of Heating, Ventilation and Air Conditioning Systems Available for Ohio Schools	Energy and Cost Benefit Analyses of Heating, Ventilation and Air Conditioning Systems Available for Ohio Schools	Evaluation of Heating, Ventilation and Air Conditioning Systems (HVAC) Systems Available for Ohio Schools	IAQ Cost – Benefit Analyses For Heating, Ventilation and Air Conditioning Systems (HVAC) Systems Available for Ohio Schools	Evaluation of HVAC Systems Contained in the OSFC Design Manual	Energy and Cost Benefit Analyses of Heating, Ventilation and Air Conditioning Systems Available for Ohio Schools	Mold Contamination: A Hands-On Workshop Addressing Inspection, Remediation Specifications, Project Oversight and Post-Remediation Assessment	Mold – After the Contract
AUDIENCE	Ohio School Facilities Commission, Ohio Department of Development, State School A/Es	PDMA – Columbus Chapter, Breakfast Speaker	City of Toledo, Environmental Director and Staff	ASHRAE Region VII & Bluegrass Chapter, Invited Luncheon Speaker	ASHRAE Akron Chapter, Dinner Speaker	ASHRAE Cincinnati Chapter, Lunch Speaker	AIHA Luncheon Speaker	Ohio Builds 2002	ASHRAE Toledo Chapter, Dinner Speaker	American Industrial Hygiene Conference and Expo (AIHce), Professional Development Course #418	Gahanna Board of Realtors Luncheon Speaker
LOCATION	Riffe Tower, Columbus, OH	Ashland Chemical, Columbus, OH	Toledo, OH	Lexington, KY	Wadsworth, OH	Cincinnati, OH	Cleveland, OH	Columbus, OH	Toledo, OH	Atlanta, GA	Gahanna, OH
DATE	January 25, 2001	March 13, 2001	July 30, 2001	September 21, 2001	November 13, 2001	February 12, 2002	July 2002	September 24, 2002	February 5, 2003	May 9, 2004	September 14, 2004

Mr. Stephen E. Petty, P.E., C.I.H., C.S.P

DATE	LOCATION	AUDIENCE	TOPIC	DURATION (Hrs)
November 4, 2004	Cincinnati, OH	Cincinnati Bar Association Luncheon Speaker	Mold – Facts/Fiction/Who Knows?	2 hours
November 17, 2004	Columbus, OH	Ohio Public Facility Maintenance Association (OPFMA) Annual Meeting	Impact of Temperature on Occupants: Theory vs. Reality	1.5 hours
October 17, 2005	Phoenix, AZ	LexisNexis Benzene Litigation Conference	How Low Can You Go? Measuring Exposure to Benzene	1 hour
April 21, 2006	Cleveland, OH	National Business Institute Proving Damages Caused by Mold Infestation in Ohio	Make a Mold Claim and Litigate the Case	2 hours
November 9, 2006	Columbus, OH	Bricker & Eckler Building Industry	Avoiding and Handling Mold Claims	1 hour
June 3, 2008	New Orleans, LA	Harris-Martin Benzene Conference	Historic Levels of Benzene in Products	1 hour
August 14, 2009	Columbus, OH	State Auto Insurance Company	Assessment of Hail and Wind Damage	3 hours
December 4, 2009	Akron, OH	Nationwide Insurance Company	Presentation and Seminar on Log Cabin Construction, Maintenance & Reparability	2 hours
March 17, 2010	Westerville, OH	Nationwide Insurance Company	Seminar on Impact of Wind & Hail Damage to Building Materials	1 hour
May 9, 2012	Dublin, OH	Grange Insurance Company	Lightning Damage Assessments	3 hours
June 18, 2013	Delaware, OH	Nationwide Insurance Company	Forensic Analysis of Fire Damage to Foundation Walls	3 hours

Mr. Stephen E. Petty, P.E., C.I.H., C.S.P

SUMMARY OF CLASSES TAUGHT AT FRANKLIN UNIVERSITY

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Stephen Petty

Class Title	Description	Term	Dates	# Students	Comments
SCIE131 Q1WW	Environmental Science 131	Winter 2003	1/3/03 to 4/24/03	17	Online class
SCIE131 E1FF	Environmental Science 131	Summer 2003	5/21/03 to 6/25/03	13	In-Class
SCIE114 F2FF	Earth Science 114	Fall 2003	9/29/03 to 11/3/03	17	In-Class
SCIE131 H1FF	Environmental Science 131	Fall 2003	11/12/03 to 12/17/03	15	In-Class
SCIE131 Q1WW	Environmental Science 131	Summer 2004	05/17/04 to 08/07/04	14	Online class
SCIE131 H1FF	Environmental Science 131	Fall 2004	11/10/04 to 12/15/04	19	In-Class
SCIE 131 H1FF	Environmental Science 131	Fall 2005	11/9/05 to 12/14/05	19	In-Class
SCIE 131 H1FF	Environmental Science 131	Spring 2006	3/27/06 to 5/1/06	خ	In-Class

SCIE 114 – 4 Semester Credit Hours SCIE 131 – 4 Semester Credit Hours

SUMMARY OF EXPERT WITNESS CASES - STEPHEN PETTY

CASE (Plaintiff(s) and Defendant(s) & Role Construction Corporation vs. Roth Produce (Supported Plaintiff). Testified at hearing in Franklin County,
(De
Plaintif(s): Sandra D. Howell and Estate of Mr. Howell Defendant(s): Nalco, Bayer and David Hackathorn (Bayer's Director of Health) In the Circuit Court of Marshall County, West Virginia Supported Plaintiffs) Deposed by Caupported Plaintiffs)
Plaintiff(s): Donna E. Gwinn, Individually and Executrix of the Estate of William B. Gwinn Defendant(s): Chemical Leaman Tank Lines (CLTL), a Cleaning Facility Delaware Corporation, Quality Distribution, Inc., d/b/a Quality Carrier, Successor-in-Interest to Chemical Leaman Tank Lines, Inc., a Florida Corporation, and Okey Edens. In the Circuit Court of Marshall County, West Virginia. Spenzene Exposure at Tanke Tanke Thuck Cleaning Facility Cleaning Facilit
Plaintiff(s): William Shaffer and Rosa Shaffer, husband and wife. Wife. Defendant(s): Monongahela Power Company d/b/a Allegheny Power as an Ohio Corporation In the Circuit Court of Pleasants County, West Virginia (Supported Plaintiff)
Plaintiff(s): Daniel O. Dixon Defendant(s): A C & S, Inc. Settled 05/2004 (Supported Plaintiff)
Plaintiff(s): Michael A. Lebron, Pamela Lebron Defendant(s): Shell Oil Company; Amoco Oil Company; Union Oil Company of California; Radiator Specialty Company; PPG Industries, Inc.; E.I. Du Pont de Nemours & Operations Company and Bondo Corporation. Caupported Plaintiffs) Deposed by Defendant(s) on 11/21/03

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Mr. Brian Bradigan Attorney At Law Brian J. Bradigan, L.L.C. 3948 Townsfair Way Suite 230 Columbus, OH 43219	Plaintiff(s): Jeffrey and Theresa Vaughn (Homeowners) Defendant(s): Timberline Log Homes (Grange Insurance – Builder's Insurance) (Supported Defendant)	Mold and Water Leaks in Log Home Due to Poor Construction	Negotiated Settlement	EES-2003-019 -	2003
Ms. Joanne Peters Attorney At Law Isaac, Brant, Ledman & Teetor LLP 250 E. Broad St. Suite 900 Columbus, OH 43215-3742	Plaintiff(s): Fisher (Homeowners) Defendant(s): Muth and Company – Roofing Company (Supported Defendant)	Mold and Water Leaks in Home Due to Roof Installation	Negotiated Settlement	-1-	2003
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff(s): Timothy J. Farley Defendant(s): Keystone Shipping Company, Margate Shipping Company and Chilbar Shipping Company Shipping Company Court of Common Pleas Philadelphia County, PA Civil Action - Law (Supported Plaintiff)	Benzene and other Chemical Exposures from Working on Tankers	Negotiated Settlement 8/09/2004	EES-2003-180 Cause No.: 0957	2003-2004
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff(s): David Ball Defendant(s): BASF, Corp., Ford Motor Company, 3M Company, Petroleum Traders Company, Myers Industries, Inc., d/b/a Patch Rubber Co., Radiator Specialty Company, Loctite Corporation, and Lykins Oil Company Court of Common Pleas Cuyahoga, Ohio (Supported Plaintiff)	Benzene and other Chemical Exposures Focus on Labeling and MSDS sheets	Negotiated Settlement 12/2005	EES-2003-217 Cause No.: CV-02-473352	2003-2005
Voltolini & Voltolini Attorneys at Law 1350 West Fifth Ave. Suite 214 Columbus, OH 43212	Plaintiff: Janis Weekly Defendant(s): Terminix Pre-Lawsuit (Supported Plaintiff)	Durisban - Chlorpyrifos (Pesticide) Exposure Completed detailed inspection and research.	Completed	EES-2003-352 Cause No: 94- 018	2003-2004
Harvit & Schwartz, L.C. 2018 Kanawha Blvd., E. Charleston, WV 25311	Plaintiff: Robert H. Casdorph, Jr and Melba Casdorph, his wife Defendant(s): West Virginia State Police, an agency of the State of West Virginia, and Castle Products, Inc., a New York Corporation. In the Circuit Court of Marshall County, West Virginia (Supported Plaintiff)	CML-Chronic Myelogenous Leukemia	Negotiated Settlement 11/2011	Cause No.: 03-C-109M Worker's Comp. Decision Appealed to WV Supreme Ct. – Decision in	2003-2011

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
				Favor of Plaintiff on 11/9/2019	
Dinsmore & Shohl, LLP 255 E. Fifth Street, Suite 1900 Cincinnati, OH 45202	Plaintiff: Doug Kinslow Defendant(s): M.E.B. Two (Supported Defendant)	Mold Contamination Inspection, mold testing and detailed findings report	Negotiated Settlement	EES-2003-353 Cause No.: 3780-88	2003-2004
Mr. Scott Sheets Attorney At Law Isaac, Brant, Ledman & Teetor LLP 250 E. Broad St., Suite 900	Plaintiff: Stanger (Homeowners) Defendant(s): Davis Fine Homes – Homebuilder (Supported Plaintiff)	Mold and Water Inspection, Testing, and Support	Negotiated Settlement	EES-2003-366	2003
Mr. J. Andrew Crawford Reese, Pyle, Drake & Meyer, P.L.L. 36 N. Second Street P.O. Box 919 Newark, OH 43058-0919	Plaintiff: Murray Headlee et al. Defendant(s): Truberry Group, Inc. et al. (Homebuilder) Delaware, OH County Court of Common Pleas (Supported Defendant)	Mold and Water Leaks in Home; Prepared outline of opinions.	Negotiated Settlement on/about 03/08/2004	EES-2003-405 Cause No.: 03 CVH 01007	2003 - 2004
Mr. J. Zackary Zatezalo Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff: Mr. James V. Dollhopf and Kristin L. Dollhopf Defendant(s): PPG Industries, Sherwin-Williams Company, Ashland, Inc., CIBA Specialty Chemicals, Chem-Pak Solutions, General Fiberglass Supply, Inc., Meguiar's Products, Sunnyside Corporation, Milwaukee Paint, Inc. State of Wisconsin Circuit Court Milwaukee County (Supported Plaintiff)	Benzene and other Chemical Exposures from Painting Operations	Negotiated Settlement	EES-2003-407 Cause No.: 03-CV-4832	2003-2004
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff: Shelly Gray, Individually and as Plaintiff Ad Litem for Sherri Bond, deceased. Defendant(s): BP Corporation North America Inc. and BP Products North America Inc. et.al – Former American Oil Company (AMOCO) Site Circuit Court of Jackson County, Missouri, at Independence. (Supported Plaintiff)	Benzene and other Chemical Exposures from Underground Piping and Tank Leaks	Negotiated Settlement 03/16/2006	EES-2003-415 Case No.: 02-CV-229538	2003-2006
Mr. J. Michael Prascik Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600, Wheeling, WV 26003	Plaintiff: Mr. Barry Hovis and Lesa Hovis, his wife. Defendant(s): Carboline Company, Rust-Oleum Corporation, E.I. Dupont De Nemours and Company, Valspar Coatings, One Shot, LLC, PPG Industries, Inc., Sherwin-Williams, In the Circuit Court of Common Pleas in York County, South Carolina. (Supported Plaintiff)	Exposure to Paint	Negotiated Settlement 10/2004	EES-2004-049 Cause No.: 2003-CP-46- 165	2004
Mr. J. Michael Prascik Hartley & O'Brien, P.L.L.C. The Wagner Building	Plaintiff: Lucinda Cutlip Defendant(s): West Virginia Department of Transportation, Division of Highways, and Guttman Oil Company, a foreign	Exposure to Diesel Exhaust	Testified in Trial 1/10/06	EES-2004-066	2004-2006

Mr. Stephen E. Petty - Summary of Expert Witness Cases - Updated July 6, 2021

TIMEFRAME		2004 - 2006	2004 - 2007	2004	2005-2009	2004
Project #/Case #	Cause No:: 02-C-2345	LAW-2004-009 Cause No.: 04-C-231	LAW-2004-010 Cause No.: 2:05-CV-22	EES-2004-134	EES-2004-137 Cause No.: 3:03CV519BN	EES-2004-135 Cause No.: 01 L 16472
DECISION	Decision in Favor of Defendant	Negotiated Settlement 05/10/2006	Negotiated Settlement 11/05/2007	Completed Report Submitted	Closed	Negotiated Settlement 12/2004
SUBJECT	Deposed by Defendant(s) on 08/11/2005 and 09/21/2005	Exposure to Combustion Products From Fire in Maintenance Building Deposed by Defendant on 03/01/2006	Exposure to Chemicals Deposed by Defendant(s) 06/06/2006 Daubert Hearing 10/30/2006 – Motion Denied	Mold and HVAC	Chemical Exposure - Various products in garage	Benzene Exposure From Former Manufactured Gas Plant Site Deposed by Defendant 11/12/2004
CASE (Plaintiff(s) and Defendant(s) & Role	corporation In the Circuit Court of Kanawha County West Virginia (Supported Plaintiff)	Plaintiff: Erby E. Lester and Donna Lester, his wife Defendant(s): Elk Run Coal Company, Inc. a West Virginia Corporation d/b/a Black Castle Mining Company, Spartan Mining Company, a West Virginia Corporation and d/b/a Trace Transport Company. In the Circuit Court of Boone County West Virginia. (Supported Plaintiff)	Plaintiff: Linda Kitzmiller Defendant(s): Jefferson Supply Co. United States District Court For the Northern District of West Virginia, Elkins Division (Supported Plaintiff)	Plaintiff: Paula J. Ondo Defendant(s): TBD (Supported Plaintiff)	Plaintiff: Mr. Douglas Bates Defendant(s): The Dow Chemical Company et al. (Supported Plaintiff)	Plaintiff: Deborah Trojan Defendant(s): Peoples Gas Light & Coke Co. (Supported Plaintiff)
ATTORNEY/LAW FIRM	2001 Main Street, Suite 600, Wheeling, WV 26003	Mr. Kris Cormany Attorney at Law Bucci, Bailey & Javins P. O. Box 3712 Charleston, West Virginia 25337	Mr. Guy R. Bucci Bucci Bailey & Javins Suite 910 Bank One Center, 707 Virginia Street, East, Charleston, WV 25301	Mr. Chris Wilson Wilson, Frame, Benninger & Metheney, P.L.L.C.	Mr. J. Michael Prascik Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling. WV 26003	Mr. J. Michael Prascik Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600, Wheeling, WV 26003

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Mr. Stephen Brown Mundy & Nelson, L.L.C. P.O. Box 2986 Huntington, WV 25728	Plaintiffs: TBD – Citizens of Huntington Defendant: TechSol (Supported Plaintiff)	Hazardous Chemical Exposure – Coal Tar Containing Benzene – Sampled Creek and Homes for VOCs	Negotiated Settlement 11/2006	LAW-2004-011	2004 - 2005
Mr. Paul Eklund Davis & Young 1700 Midland Building 101 Prospect Avenue Meet Cleveland OH 44115-1027	Plaintiffs: Enrico M. Clark and Cynthia Clark Defendant(s): Alchem Corporation and B. George Bufkin (Supported Defendant)	Hazardous Chemical Exposure – Methanol and Acid Gases	Negotiated Settlement 07/2006	LAW-2004-014 Cause No.: 528128	2004 - 2006
Mr. Brian Bradigan Attorney At Law Brian J. Bradigan, L.L.C. 3948 Townsfair Way, Suite 230 Columbus, OH 43219	Plaintiffs: Wanner Searls (Homeowner) Defendant(s): Grange Mutual Casualty Company Franklin County Ohio Court of Common Pleas (Supported Defendant)	Hail Damage to Home	Testified in Trial 04/18/2005 Decision in Favor of Defendant(s) 05/31/2005	EES-2004-094	2004 - 2005
Mr. Lon Walters Partner The Walters Law Firm 105 East 5th Street Suite 401 Kansas City, MO 64106	Plaintiff: Estate of Nancy Ryan Defendant(s): BP Corporation, American Oil Company, et al. Circuit Court of Jackson County, Independence, MO (Supported Plaintiff)	Benzene/Chemical Exposures from Underground Piping and Tank Leaks and Vapor Emissions	Testified in Trial 08/24-25/2005 Jury Ruled in Favor of Plaintiff(s) – 09/14/2005	LAW-2004-012 Cause No.: 04CV223271	2004 - 2005
Mr. John Davis Gallaghar, Sharp, Fulton & Norman 1501 Euclid Avenue, Seventh Floor Cleveland, OH 44115 Mr. Charles Williams 555 South Front Street, Suite 320 Columbus, OH 43215	Plaintiff: Hidden Lakes Condominium Association Defendant: Acuity Insurance Company (Umpire – Supported Defendant)	Hail Damage Appraisal Umpire Claim #: KL3009 Umpired Decision and Report Issued 04/2005	Completed	EES-2005-020- S	2005
Mr. Nicholas Subashi Subashi, Wildermuth & Ballato The Oakwood Building 2305 Far Hills Avenue Dayton, OH 45419 Mr. Randall Saunders Nationwide Insurance Company 620 Morrison Road Gahanna, OH 43230	Plaintiff: James Wilson et al. Defendant: STO Corp., Jack H. Wieland Builders, Daytco-James, Inc. et al. (Supported Defendant – Roofing Contractor)	Construction Defect Claims Claim #: 92 34 AC 324909 03011997 51 Provided Inspection, Analysis and 3 reports on liability of roofing contractor.	Completed Negotiated Settlement 06/30/2005	EES-2005-050- S Cause No.: 03 CV 61596	2005

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Mr. James M. Barber Attorney at Law 604 Virginia Street, East Suite 200 Charle 200	Plaintiff: Lola Hudson Defendant: Arbors Management and Rock Branch Mechanical (Supported Plaintiff)	Legionella Exposure Deposed 12/13/2005	Closed	Law-2005-001	2005 - 2006
Orialleston, WV 23301 Mr. J. Zachary Zatezalo Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff: Little Defendant: American Electric Power (Supported Plaintiff)	Solvent Exposure Deposed by Defendant 03/25/2011	Negotiated Settlement 2011	LAW-2005-002 Cause No.: 03-C-256M	2005-2011
Mr. Guy R. Bucci Bucci Bailey & Javins Suite 910 Bank One Center, 707 Virginia Street, East, Charleston, WV 25301	Plaintiff: Mr. Daniel A. Wilson and Mrs. Joyce L. Wilson Defendant: Mr. Raymond Johnson d/b/a Ray's Auto Center (Supported Plaintiff)	Hazardous Chemicals Exposure	Closed	LAW-2005-006 Cause No.: 04- C-232	2005-2007
Mr. Michael P. Giertz Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff: Janice Weekley Defendant: Terminix International Company (Supported Plaintiff)	Property Contamination from Termidicides (Pesticides) Deposed by Defendant 09/09/2005	Negotiated Settlement 11/2005	LAW-2005-007 Cause No.: 52-181-00697- 04	2005
Mr. Bradley R. Oldaker Bailey, Stultz, Oldaker & Greene P.O. Drawer 1310 Weston, WV 26452-1310	Plaintiff: Mack O. Crist Defendant: Vicellio & Grogan et al. (Supported Plaintiff)	Silica- Exposure – Highway Construction Deposed by Defendant 01/17/2006	Negotiated Settlement 05/2006	LAW-2005-008 Cause No.: 04C-64M	2005-2006
Mr. J. Zachary Zatezalo Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff: Jayne Chianelli and estate of Frank Chianelli Defendant(s): Shell Oil Company, Potter Paint Co., Mohawk Finishing Products, Phipps Products Corp., BIX Manufacturing Company, Sherwin Williams Company, Barnett Industries and E.E. Zimmerman (Supported Plaintiff)	Solvent Exposure	Negotiated Settlement 2006	LAW-2005-009 Cause No.: 03 12999/	2005-2006
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff: Denny Morris Defendant: PPG Industries, Inc. (Supported Plaintiff)	Benzene Exposure Deposed by Defendant 10/12/2005	Closed	LAW-2005-010 Cause No.: 99-C-173M	2005-2009

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building Suite 600 2001 Main Street,	Plaintiff: Thomas H. Ware and Pamela S. Ware, his wife Defendant: Pratt & Whitney Engine Services, Inc. In the Circuit Court of Harrison County, West Virginia (Supported Plaintiff)	Hazardous Chemicals Exposure	Negotiated Settlement 01/2006	LAW-2005-011 Cause No.: 05-C-139-1	2005-2006
Ms. Sandra Spurgeon Spurgeon & Tinker, PSC 120 Prosperous Place, Suite 202 Lexington, KY 40509	Robert A. Tompkins, et al v. Wheeling-Pittsburgh Steel Corporation d/b/a Wheeling Corrugating Company, Inc., et. al v. Terry Roland (Supported Defendant - Insurance Company)	Exposure	Closed	LAW-2005-013	2005-2008
Mr. Louis H. Watson, Jr., P.A. Attorney at Law 520 Capitol Street Jackson, Mississippi 39201-2703	Plaintiff: Fay Lundy and Joel Lundy Defendant: Cilburn Truck Lines, Inc., Conoco, Inc., Individually, alk/a Conoco Gas and Marketing, a Division of Conoco, Inc., and flk/a Du Pont Holdings, Inc; ConcoPhillips Company; "John Doe" Defendant(s) In the United States District Court for the Southern District of Mississippi Jackson Division (Supported Plaintiff)	Exposure to benzene from gasoline Deposed by Defendant 9/20/2006	Negotiated Settlement	LAW-2005-014 2005-16 Case No. 2005-	2005-2007
Mr. Michael P. Giertz Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600	Plaintiff: Pauline Poling Defendant: Grafton Auto Parts Circuit Court of Marshall County, West Virginia (Supported Plaintiff)	Exposure to Benzene Containing Solvents	Negotiated Settlement	LAW-2005-016 Case #: 05-C- 157M	2005-2009
Mr. Thomas E. Schwartz Holloran White & Schwartz LLP 2000 S. 8 th Street St. Louis, Missouri 63104	Plaintiff: Jeff Morgan Defendant: National Railroad Passenger Corporation (Supported Plaintiff)	Diesel Exhaust Exposure Deposed by Defendant 01/31/2006	Negotiated Settlement 04/28/2006	LAW-2005-018 Cause No.: 052-08718	2005-2006
Mr. Richard A. LaVerdiere Sieben Polk LaVerdiere & Dusich 999 Westview Drive Hastings, MN 55033-2495	Plaintiff: Vettrus Defendant: Ashland Chemical et al. Third Judicial District Court, County of Rice, MN (Supported Plaintiff)	Exposure to solvents containing benzene Deposed by Defendant(s)	Closed	LAW-2005-019 C5-05-1909	2005-2008
Mr. Kevin George 931 Vauxhill Lane Powell, OH 43065	Plaintiff: Mallory Pools Defendant: Mr. Kevin George Delaware County, Ohio Court of Common Pleas (Supported Defendant)	Pool chemistry and staining on Liner. Testified in Trial (Delaware County Court) 01/19/2006	Decision in favor of Defendant	EES-2006-166	2005-2006
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100	Plaintiff. Benoit Defendant: Ato Fina et al.	Exposure to benzene and benzene containing solvents in	Closed	LAW-2005-020	2005-2007

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Dallas, TX 75219	18th Judicial District Court, For the Parish of Iberville, State of Louisiana (Supported Plaintiff)	refineries and chemical plants		Cause No.: 62116, Div. A	
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiffs: Stubbs & Wilkinson (two cases). Ms. Ann Stubbs, representing the estate of Ben L. Stubbs Herbert W. Wilkinson and Peggy S. Hebert Defendant(s): Radiator Specialty Company et al. 128th Judicial District Court, Orange County, TX (Supported Plaintiff)	Exposure to benzene & benzene-containing solvents- refineries, chemical plants Deposed by Defendant(s) 3/29/06 and 4/25/06	Negotiated Settlement	LAW-2005-021 & BAR-2006- 001 Stubbs/Wilkinso n - Cause No.:A-030272C	2005-2007
Mr. Thomas E. Schwartz Holloran White & Schwartz LLP 2000 S. 8 th Street St. Louis, Missouri 63104	Plaintiff: Ursula Michelle Creaghan and Daniel Aaron Creaghan as surviving children of Steven Francis Creaghan Defendant: Superior Solvents & Chemicals, Inc.; Transchemical Inc., Ashland, Inc., Chemisphere Corp., Reichhold, Inc. Akzo Nobel Coatings, Inc., Brenntag Mid-South, Inc., Eastman Chemical Co., and Shell Oil Company (Supported Plaintiff)	Benzene exposure from paint manufacturing Deposed by Defendant on 8/29/2006	Negotiated Settlement 9/2006	LAW-2005-022 Cause No.: 042-07417	2005-2007
Mr. Lon Walters The Walters Law Firm The Oldham Building 105 East 5th Street, Suite 401 Kansas City, MO 64106	Plaintiff: Detel Defendant: BP Corporation North America, Inc., and BP Products North America, Inc. Circuit Court of Jackson County, Independence, MO (Supported Plaintiff)	Benzene exposure Deposed by Defendant on 9/11/2006	Negotiated Settlement 10/18/2006	WAL-06-001 Cause No.: 04CV207637	2005-2006
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff: Richard C. Smith and Vickie Smith Defendant(s): Sal Chemical Company, Inc., Chemical Solvents, Inc., and United States Can Company Circuit Court of Brooke County, WV (Supported Plaintiff)	Organic Chemical Exposure Deposed by Defendant(s) 02/06/2007	Negotiated Settlement 06/2007	HAR-2006-002 Case No.: 05-C- 211 AMR	2006-2007
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiffs: Troy Lucas Defendant(s): Diamond Shamrock, Marathon, U.S. Steel, WD-40, Radiator Specialty, ConocoPhillips and Occidental Chemical 23 rd Judicial District Court, Brazoria County, TX (Supported Plaintiff)	Exposure to benzene and benzene containing solvents while working for Diamond Shamrock	Closed	BAR-2006-002 Cause No. 35,311	2006-2007
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiffs: Donna Cashiola, Page Defendant(s): American Petroleum Institute, Inc. et al. 298th Judicial Court, Dallas, TX (Supported Plaintiff)	Exposure Deposed by Defendant 9/22/2006	Decision in favor of Defendant	BAR-2006-005 Cause No.: 04- 00545	2006-2008

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiff: David Carpenter Defendant(s): Spray Products Corp. et al. Circuit Court of Cook County, Chicago, Illinois (Supported Plaintiff)	Benzene Exposure	2007	BAR-2006-006 Cause No.: 2006L00673	2006-2007
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiffs: Larry Koger (deceased) and Kim Koger Defendant(s): Ashburn Industries et al. 128th Judicial District Court, Orange County, TX (Supported Plaintiff)	Exposure to benzene and benzene containing solvents while working for EBBA Iron	Negotiated Settlement	BAR-2006-007 Cause No.: A050388-C	2006-2007
Mr. Kirk Claunch Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiffs: Bekkelund Defendant(s): General Tire, Shell, Specialty Radiator 23rd Judicial District Court, Brazoria County, TX (Supported Plaintiff)	Exposure to benzene and benzene containing solvents Deposed by Defendant 3/13/2007	Negotiated Settlement	BAR-2006-009 Cause No.: 24038*BJ03	2006-2008
Mr. Andrew DuPont Locks Law Firm 1500 Walnut Street, 20 th Floor Philadelphia, PA 19102	Plaintiff: Kirk Jenkins Defendant(s): (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 2008	LOC-2006-001	2006-2008
Mr. Bradley Oldaker Bailey, Stultz, Oldaker & Green P.O. Drawer 1310 Weston, West Virginia 26452	Plaintiffs: William K. Stern et al. Defendant(s): Chemtal Incorporated et al. Circuit Court of Marshall County, West Virginia (Supported Plaintiff)	Exposure to Polyacrylamide Flocculant with Residual Acrylamide Monomer.	Negotiated Settlement	OLD-2007-001 Cause No.: 03- C-49M	2004
Mr. Lon Walters The Walters Law Firm The Oldham Building 105 East 5th Street, Suite 401 Kansas City, MO 64106	Plaintiff: Sean Reed Defendant(s): B.P. Corporation North America, Inc., and BP Products North America, Inc. et al. Circuit Court of Jackson County, Missouri at Independence (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement	WAL-2007-001 Cause No.: 04CV-209341	2007
Mr. John Hughes The Law Offices of John J. Hughes 1200 Gough Street, Suite 1 San Francisco, CA 94109	Plaintiff: Daniel F. Dean as administrator of the estate of William J. Dean Use Defendant(s): Overseas Shipbuilding Group (OSG) Ship Management, Inc., Juneau Tanker Group, Inc., Cambridge Tankers, Inc., OMI Corp., Interocean Ugland Management, Inc., and SL Service, Inc. Superior Court of the State of California, County of San Francisco (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 04/2008	HUG-2007-001 Cause No.: CGC-04- 430986	2007-2008
Mr. Jim Waldenberger Kline & Specter The Nineteenth Floor	Plaintiff: Karen Horvat, Estate of Andrew J. Horvat, Deceased, et al.	Benzene Exposure	Negotiated Settlement	WAL-2007-001	2007-2012

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
1525 Locust Street Philadelphia, PN 19102	Defendant(s): Crane Oil Company et al. Superior Court of New Jersey Gloucester County (Supported Plaintiff)		01/2012	Cause No.: GLO-000497-07	
Mr. J. Keith Hyde Ms. D'Juana Parks Provost & Umphrey, L.L.P. 490 Park Street P.O. Box 4905 Realmont TX 77704	Plaintiff: Jan Goss, Individually and as Representative of the Estate of Velma Church, Deceased, et al. Defendant: Schering-Plough Corp. 4th Judicial Court, Rusk County, State of Texas (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 04/2008	PAR-2007-001 Cause No.: 2006-232	2007-2008
Bradley, Stultz, Oldaker & Greene Bailey, Stultz, Oldaker & Greene P.O. Drawer 1310 Weston, West Virginia 26452	Plaintiff: Estate of Darren Patrick Brake Defendant: TKS Contracting Circuit Court of Upshur County, West Virginia (Supported Plaintiff)	Wrongful Death Forkliff Accident	Negotiated Settlement 02/2008	OLD-2007-002 Case No.: 07-C- 155	2007-2008
Mr. John Langdoc Baron & Bud Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiff: Edward Paul Wick Defendant(s): 3M Company et al. Court of Common Pleas Philadelphia County (Supported Plaintiff)	Asbestos	Negotiated Settlement 02/2009	BAR-2007-004 Cause No.: 0512-2989	2007-2009
Mr. Lon Walters The Walters Law Firm The Oldham Building 105 East 5th Street, Suite 401 Kansas City, MO 64106	Plaintiff: Paul Hedrick & Joyce Hedrick Defendant: BP Corporation North America Inc. and BP Products North America Inc. – Former American Oil Company (AMOCO) Site Circuit Court of Jackson County, Missouri at Independence (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement	LON-2007-002 Cause No.: 04CV-209360 – Div. 16	2007
Mr. Lon Walters The Walters Law Firm The Oldham Building 105 East 5th Street, Suite 401 Kansas City, MO 64106	Plaintiff: Barbara Behymer, individually and as Plaintiff Ad Litem for Richard Behymer, deceased Defendant: BP Corporation North America Inc. and BP Products North America Inc. – Former American Oil Company (AMOCO) Site. Circuit Court of Jackson County, Missouri at Independence. (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 03/07/2008	LON-2007-003 Cause No.: 04CV238342	2007-2008
Mr. Chuck Gordon Hubbell Peak O'Neal Napier & Leach Law Firm Union Station 30 W. Pershing Rd., Suite 350 Kansas City. MO 64108	Plaintiff: Robert L. Almaguer Defendant: The Burlington Northern & Santa Fe Railway Company City Court of the City of St. Louis, State of Missouri (Supported Plaintiff)	Railroad Worker PAH Exposure	Negotiated Settlement 08/16/2008	HUB-2007-001 Cause No.: 052-10081	2007-2008
Mr. Gregory A. Lofstead Richardson, Patrick, Westbrook & Brickman, LLC 174 East Bay Street Charleston SC 29401	Plaintiff: Dennie Polk Defendant: Brooks Run Coal Company et al. Circuit Court of Mingo County, West Virginia (Supported Plaintiff)	Silicosis	Negotiated Settlement 01/2008	RPWB-2007- 001 Cause No.: 04- C-650	2007-2008

Mr. Stephen E. Petty - Summary of Expert Witness Cases - Updated July 6, 2021

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Mr. Gregory A. Lofstead Richardson, Patrick, Westbrook & Brickman, LLC 174 East Bay Street Charleston SC 29401	Plaintiff: Ricky G. Prince and Diana Prince Defendant: Eastern Associated Coal Corp. et al. Circuit Court of Mingo County, West Virginia (Supported Plaintiff)	Silicosis	Negotiated Settlement 05/2008	RPWB-2007- 002 Cause No.: 04- C-289	2007-2008
Mr. James Zury The Law Offices of James C. Zury 450 Alkyre Run Drive, Suite 120 Westerville, OH 43082	Defendant: Ohio Builders, Inc. and Mr. David B. Holbert, President Plaintiff: Rick and Karen Upchurch (Supported Defendant)	Mold Contamination	Negotiated Settlement 01/2008	SUR-07-001	2007-2008
Mr. Thomas E. Schwartz Holloran White & Schwartz LLP 2000 S. 8 th Street St. Louis, Missouri 63104	Plaintiff: Paula Dangerfield Defendant: BP Corp. North America, Inc. et al. Third Judicial Circuit Court, Madison County, State of Illinois (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 2014	SCH-07-001 Case #: 08-L- 1032	2007-2014
Mr. James Billings Zacks Law Firm 33 S. James Road Columbus, OH 43213	Plaintiff: Joseph Pingue Defendant: Able Roofing Franklin County, Ohio Court of Common Pleas (Supported Plaintiff)	Roofing/Water Infiltration Testified in Trial 6/9/2008	Decision in Favor of Plaintiff	ZAC-08-001	2008
Mr. Thomas E. Schwartz Holloran White & Schwartz LLP 2000 S. 8 th Street St. Louis, Missouri 63104	Plaintiff: Tricia Mary Iraci and the Estate of Giacomo Iraci Defendant(s): Heritage-Crystal Clean, LLC, Superior Solvents & Chemicals, Inc., Citgo Petroleum Corporation, Sunoco, Inc., The Valvoline Company and 3M Company Circuit Court of Cook County Illinois County Department, Law Division (Supporting Plaintiff)	Benzene Exposure Deposed by Defendant(s) 5/04/2011	,	SCH-2008-001 Case No.: 05 L 7528	2008
Mr. Thomas E. Schwartz Holloran White & Schwartz LLP 2000 S. 8 th Street St. Louis, Missouri 63104	Plaintiff: Tomas Fields Defendant: The Alton & Southern Railway Company Circuit Court – St. Clair County, IL (Supported Plaintiff)	Railroad Diesel and Benzene Exposure Deposed by Defendant(s) 3/16/2010	Negotiated Settlement 8/2010	SCH-2008-003 Cause: 06L 308	2008-2010
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff: Elmer B. Haymond and Norma Haymond Defendant(s): Moore North American, Inc. et al. Circuit Court of Marshall County, WV (Supported Plaintiff)	Organic Chemical Exposure	Negotiated Settlement	HAR-2008-001 Cause No.: 04- C-211	2008

TIMEFRAME	2008	2008-2010	2008	2008
Project #/Case #	HAR-2008-002 Cause No. 80-2-09 WNCV	RPWB-2008- 001 Cause No.: 207-L-538	HRCL-2008-001 Case No.: 24-C- 06-011110	SCHM-08-001 Cause No.:
DECISION	Negotiated Settlement	Negotiated Settlement 02/2010	Negotiated Settlement 08/2008	Negotiated Settlement
SUBJECT	Benzene Exposure Deposed by Defendant(s) 7/21/2010	Benzene Exposure	Vinyl Chloride Exposure	Benzene Exposure
CASE (Plaintiff(s) and Defendant(s) & Role	Plaintiff: Daniel E. Emery and Liselle Emery Defendant(s): Shell Oil Company, Individually and d/b/a Shell Chemical Company and as Successor-by-Merger to Pennzoil-Quaker State Company, a Delaware Corporation, Pennzoil-Quaker State Company, C. E Bradley Laboratories, Inc., Exxon Mobil Corporation, Safety-Kleen Systems, Inc., f/k/a Safety-Kleen Corp., The Coleman Company, Inc., Cleveland Lithochrome, Company, Inc., Milnesota Mining and Manufacturing Company (3-M), Miles Supply Company, Inc., Granite City Tool Company of Vermont, Inc., Intertape Polymer Corp. State of Vermont, Washington County, SS (Supporting Plaintiffs)	Plaintiff(s): Debra Herzog, Individually and as Administrator of the Estate of Kent Herzog, Deceased, for the use and benefit of Surviving Next of Kin, Debra Herzog (Surviving Spouse), Ryan Herzog, and Heather Ragan (Surviving Children) Defendant(s): Tex-Trim, Inc.; Sunnyside Corp.; The Savogran Company; RPM Wood Finishes Group; Inc., Wilsonart International, Inc., WD-40 Company, W.M. Barr & Co., Inc., DAP, Inc.; Mohawk Finishing Products, Inc.; The Glidden Co., D/B/A ICI Paints; OSI Sealants, Inc.; Do it Best Corp.; Henkel Consumer Adhesives; Inc., Henkel Corp., Individually and as successor to Henkel Locktite Corp.; Sovereign Specialty Chemicals; Henkel Consumer Adhesives, Inc., OSI Sealants, Inc., and Formica Corp.; IPS Corp. (formally Industrial Polychemical Service); Franklin International, Inc. (formerly Franklin Glue); Camie-Campbell, Inc. (formerly Camie Co.); and Camie-Campbell International, Inc. (formerly Clicuit Court of the Third Judicial Circuit, Madison County, Illinois	Plaintiff(s): Walter Mairose, Individually and as Executor of the Estate of Mae I. Mairose et al. Defendant(s): The Dow Chemical Company et al. Circuit Court for Baltimore City, County of Baltimore, State of Maryland (Supported Plaintiff)	Plaintiff(s): John Davis Ward, et al. Defendant(s): Citizens Gas & Coke Utility
ATTORNEY/LAW FIRM	Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Mr. Karl Novak Richardson, Patrick, Westbrook & Brickman, LLC 174 East Bay Street Charleston SC 29401	Mr. Robert Black Heard, Robins, Cloud & Lubel, LLP 3800 Buffalo Speedway, 5 th Floor Houston, Texas 77098	Mr. Keith Patton Shrader & Associates

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
3900 Essex Lane, Suite 390 Houston, TX 77027	Marion County Superior Court, State of Indiana (Supported Plaintiffs)		05/2008	49D03-0701- CT-002020	
Mr. Gene Egdorf The Lanier Law Firm 6810 FM - 1960 West Houston, Texas 77069	Plaintiff(s): Judy A. Bates, individually and as Personal Representative of the Heirs and Estate of Loren G. Bates, Deceased, et al. Defendant(s): Shintech, Inc. et al. United States District Court for the Western District of Missouri (Supported Plaintiff)	Vinyl Chloride Exposure	Negotiated Settlement 2008	LAN-08-001 Cause No.: 06- 0944-CV-W- GAF	2008-2008
Mr. Zach Zatezalo Bordas & Bordas, PLLC 1358 National Road Wheeling, West Virginia 26003	Plaintiff(s): Mr. Joe Berry Charlton, Vicki Charlton (wife), and Shasta Charlton (daughter) Defendant: Wheeling-Pittsburgh Steel Corp. West Virginia Worker's Compensation Office of Judges & Brooke County Circuit Court (Supported Plaintiffs)	Coke Oven Gases and Heat Exposure Deposed by Defendant 05/10/2011	Negotiated Settlement 2012	BOR-08-003 Claim #: 2006204793 Cause No.: 07- C-119	2008-2012
Mr. Andrew J. DuPont Locks Law Firm The Curtis Center 601 Walnut Street, Suite 720 East 170 South Independence Mall West Philadelphia, Pennsylvania 19106	Plaintiff(s): Michael Cardello and Tracy Cardello, his wife Defendant: CRC Industries, Inc. et al. Court of Common Pleas of Allegheny County, State of Pennsylvania (Supporting Plaintiffs)	Benzene Exposure		LOC-08-001 Cause No. GD-05-029307	2008
Mr. Robert Black Heard, Robins, Cloud & Lubel, LLP 3800 Buffalo Speedway, 5 th Floor Houston, Texas 77098	Plaintiff(s): Robert B. Oakley (Deceased) and Irene Oakley Defendant(s): Air Products and Chemicals, Inc., Aristech Chemical Corporation; Atlantic Richfield Company, BP Corporation of America, Inc., BP Products North America, Inc., BP Amoco Chemical Company, Occidental Chemical Corporation, Radiator Specialty Company, United States Steel Corporation, and USX Corporation U.S. District Court for the Eastern District of Texas Marshall Division	Benzene Exposure 11/25/2008 - Defendant(s) motion to exclude Petty testimony denied.	Negotiated Settlement 12/2008	HRCL-08-002 Case No.: 2:07-CV-00351	2008
Mr. Robert Black Heard, Robins, Cloud & Lubel, LLP 3800 Buffalo Speedway, 5 th Floor Houston, Texas 77098	Plaintiff(s): Gerald Diaz (deceased) and Deborah Diaz Defendant(s): Handschy Industries, Inc., E.I. DuPont de Nemours & Co., et al. In the District Court, Orange County, 128th Judicial District Court (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 8/2012	HRCL-08-003 Cause No.: A-070037DC	2008-2012
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building	Plaintiff(s): Mr. Richard Gordon Defendant(s): Texaco Marine Services, Inc. et al.	Benzene Exposure	Negotiated Settlement 08/2011	HAR-08-005	2008-2011

Mr. Stephen E. Petty - Summary of Expert Witness Cases - Updated July 6, 2021

TIMEFRAME		2 2008-2009	3 2008-2010	2008-2010	1 2007-2012 K	5 2008
Project #/Case #	Cause No. 09 CV-911 (JAG)	SCHM-08-002 Cause No.: CV-2007- 005399	HAR-08-006 2007-11-8033 Case No.: CV07-11-8033	MET-08-001 Case No.: BC332936	BUC-07-001 Case No.: 08-C-121-K	SCH-08-005 Case No.: 06 L 578
DECISION		Decision in Favor of Defendant(s) 11/19/2009	Negotiated Settlement 2010	Negotiated Settlement 05/2010	Negotiated Settlement 09/2012	7
SUBJECT	Deposed by Defendant(s) 6/28/2011	Benzene Exposure Deposed by Defendant(s) 9/23/2009 Trial Testimony 11/9- 10/2009	Benzene Exposure Deposed by Defendant(s) 10/21/2009	Benzene Exposure Deposed by Defendant 7/7/2009	TDI Exposure Deposed by Defendant 02/03/2010 and 06/03/2010	Benzene Exposure
CASE (Plaintiff(s) and Defendant(s) & Role	United States District Court for the District of New Jersey (Supported Plaintiff)	Plaintiff(s): Mr. Raul Zendejas and Araceli Zendejas. Defendant(s): Shell Oil Company, Shell Chemical, LP, Individually and as Successor-in-interest to Shell Chemical Corporation, ConocoPhillips Company, Von Verde Citrus Packing House, Inc., an Arizona corporation; Von Verde Harvesting, Inc., a dissolved Arizona corporation; and Von Verde Citrus Growers Cooperative, Inc a dissolved Arizona Corporation In the Superior Court of the State of Arizona in and for the County of Maricopa (Supported Plaintiffs)	Plaintiff(s): Bonnie L. Mallory, Executrix of the Estate of Robert E. Mallory, Deceased Defendant(s): Goodyear Tire & Rubber Company, Akron, OH, et al. Court of Common Pleas, Summit County, Ohio (Supported Plaintiff)	Plaintiff(s): Thomas Wayne Reese Defendant: Gans Ink & Supply Co., and Does 1 through 200, inclusive Superior Court of the State of California for the County of Los Angeles – Central District (Supported Plaintiff)	Plaintiff(s): Michael Schmidt Plaintiff(s): Michael Schmidt Defendant: Bayer Corporation, Bayer Material Science LLC, John Cool, Terry Eddy, Charles "Buddy" Kotson and John Long Circuit Court of Marshall County, West Virginia 7/28/2008 2 nd Amended Complaint Filed (Supported Plaintiff)	Plaintiff(s): Suzanne Schaefer, Individually and as Special Administrator of the Estate of Richard D. Schaefer, Deceased Defendant: The Premcor Refining Group, Inc. formerly known as Clark Refining & Marketing, Inc. and formerly known as Clark Oil & Refining Corporation, and Illinois Detrolain Company, Inc. and Texor Petrolain Company.
ATTORNEY/LAW FIRM	2001 Main Street, Suite 600 Wheeling, WV 26003	Mr. Keith Patton Shrader & Associates 3900 Essex Lane, Suite 390 Houston, TX 77027	Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Mr. Raphael Metzger Metzger Law Group 401 E. Ocean Blvd., Suite 800 Long Beach, CA 90802	Mr. Guy Bucci Bucci, Bailey & Javins 213 Hale Street Charleston, WV 25301	Mr. Thomas E. Schwartz Holloran White & Schwartz LLP 2000 S. 8th Street St. Louis, Missouri 63104

Mr. Stephen E. Petty - Summary of Expert Witness Cases - Updated July 6, 2021

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
	Inc., and Parent Petroleum, Inc. Circuit Court of Will County, State of Illinois (Supporting Plaintiff)				
Ms. Kelly McMeekin Paul & Hanley	Plaintiff(s): Julie (Judy) Murray, Individually and as Successor-In-Interest to Erica Murray	Benzene Exposure	Closed 2010	PAU-08-001	2008-2010
1608 Fourth Street, Suite 300 Berkeley, CA 94710	Defendant: Chevron Corporation; Union Oil Company of California; Greka Oil & Gas, Inc.; Drilling & Production Co.; ConocoPhillips, Kerr-McGee Corporation; Anadarko Petroleum Corporation, Key Energy Group, Inc. and DOES 2-210	Deposed by Defendant(s) 10/28- 29/2009		Case No.: YCO56221	
	Superior Court of the State of California, County of Los Angeles (Supported Plaintiff)				
Mr. Michael P. Giertz	Plaintiff(s): Douglas E. Fedor	Benzene Exposure	Negotiated	HAR-08-007	2008
Tartley & O Brien, PLLC The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Defendant: Norfolk Southern Railway Co. (Supported Plaintiff)		11/2008	Case No.: CV-08-652069	
Mr. Robert Black Heard, Robins, Cloud & Lubel, LLP	Plaintiff(s): Candis L. Snyder, individually, and as the Personal Representative of the Estate of William Luther	Benzene Exposure	Negotiated Settlement	HRCL-08-004	2008
3800 Buffalo Speedway, 5 th Floor Houston, Texas 77098	Clark, Deceased; Patricia L. Clark, Shelley K. Winfrey and Kerry A. Clark, Individually and as the Wrongful Death Beneficiaries of the Estate of William Luther Clark, Deceased		7/2010	Case No.: 07-2-27647- 5SEA	
	Defendant: E.I. DuPont De Nemours and Company, Inc., PPG Industries, Inc., Sherwin Williams Company, BASF Corp., Wesco Group, Inc. U.S. Steel/Aristech Chemical Corp., Radiator Specialty Company, Sunoco, Inc., The				
	Glidden Company and ICI Americas, Inc. Superior Court of the State of Washington in and for the County of King (Supported Plaintiffs)				
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C.	Plaintiff(s): Christopher R. Scearce and Angela W. Scearce, his wife	Benzene Exposure	Negotiated Settlement	HAR-08-004	2008
The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Defendant(s): The Sherwin-Williams Company; Abercrombie Oil Company, Inc.; Hutchens Petroleum Corporation; UNIVAR USA, Inc.; Caswell Auto Parts, LLC; Texaco, Inc.;	Deposed by Defense 10/28/2010		Cause No.: 08-CVS-420	
	Chemtek, Incorporated, Travelers Insurance Company and Key Risk Management Services.	Testified before the North Carolina			
	North Carolina Industrial Commission, Raleigh, North Carolina; State of North Carolina In the General Court of Justice Superior Court, Division, Caswell County	Industrial Commission 8/11/10			
	(Supporting Plaintiff)				

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Mr. Keith Patton Shrader & Associates 3900 Essex Lane, Suite 390 Houston, TX 77027	Plaintiff(s): George Oliver Tanner, Individually and as Independent Administrator of the Estate of Jimmie Wayne Tanner, Deceased Defendant: ExxonMobil Corporation et al. In the United States District Court for the Southern District of Texas Houston Division (Supporting Plaintiff)	Benzene Exposure	is a	SHR-09-001 Cause No.: 01-16849-001	2009
Mr. Guy Bucci Bucci, Bailey & Javins 213 Hale Street Charleston, WV 25301	Plaintiff(s): Ricky J. Carman Defendant: Bayer Corporation, Bayer Material Science LLC, John Cool, Terry Eddy, Charles "Buddy" Kotson and John Long Circuit Court of Marshall County, West Virginia (Supported Plaintiff)	TDI Exposure Deposed by Defendant(s) 02/03/2010	Negotiated Settlement 08/2010	BUC-09-001 Case No.: 08-C- 269K	2009-2010
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiff(s): Michael Malcontento Defendant: Court of Common Pleas, Philadelphia County, November Term, 2006, No: 0632 (Supported Plaintiff)	Asbestos Exposure	Negotiated Settlement 2010	BAR-009-002 Case No.: 26035 Asbestos	2009-2010
Mr. Keith Patton Shrader & Associates 3900 Essex Lane, Suite 390 Houston, TX 77027	Plaintiff(s): Ms. Barbara Way and Estate of Mr. James Way Defendant: Ashland, Inc., Exxon Mobil Corporation, Shell Oil Company, Chevron U.S.A., Inc., Goodrich Corporation, and Parker Hannifan Corporation In the Court of Common Pleas, Cuyahoga County, Ohio (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 2010	SHR-09-002 Cause No.: CV 09 683084	2009-2010
Mr. Robert Black Heard, Robins, Cloud & Lubel, LLP 3800 Buffalo Speedway, 5 th Floor Houston, Texas 77098	Plaintiff(s): Lewis E. Knapper and Linda Knapper Defendant: Safety-Kleen Systems, Inc., Aristech Chemical Corp., Radiator Specialty Company, Sunoco, Inc. (R&M), United States Steel Corporation, and USX Corporation. U.S. District Court for the Eastern District of Texas Lufkin Division (Supported Plaintiffs)	Benzene Exposure Deposed by Defendant 07/16/2009 11/16/2009 - Defendant(s) motion to exclude Petty testimony denied.	Negotiated Settlement 02/2010	HRCL-09-001 Civil Action No: 9:08-cv-0084	2009-2010
Mr. Robert Black Heard, Robins, Cloud & Lubel, LLP 3800 Buffalo Speedway, 5 th Floor Houston, Texas 77098	Plaintiff(s): Linda Denise Smith and Estate of Wesley Fred Smith, Deceased et al. Defendant: E.I DuPont De Nemours and Company, Inc., PPG Industries Inc., Sherwin Williams Company, BASF Corporation, Akzo Nobel Coatings, Inc. United States District Court for the Eastern District of Texas,	Benzene Exposure	Negotiated Settlement 6/2010	HRCL-09-002 Cause No.: 08-CV-385	2009-2010

Mr. Stephen E. Petty - Summary of Expert Witness Cases - Updated July 6, 2021

	ntiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Beaumont Division (Supported Plaintiff)	T)				
Plaintiff(s): Fred Cantu and Defendant: BP Amoco Che In the District Court of Galve (Supported Plaintiffs)	Ruth Cantu mical Company et al. eston Texas, 56th Judicial District	Benzene Exposure	Dismissed 2010	HRCL-09-003 Cause No.: 07 CV 0594	2009-2010
Plaintiff(s): Darla J. Independent Executi Deceased et al. Defendant: Berryma Corporation, Huntsm Specialty Company, Inc., United States S 172nd Judicial Distri (Supported Plaintiff)	Lemaire, Individually, and as the ix of the Estate of Michael Lemaire, an Products, Inc.; Delaware USS an Petrochemical Corporation, Texaco Chemical Company, Texaco, isel Corporation, and USX Corporation at of Jefferson County, Texas	Benzene Exposure Deposed by Defendant(s) 10/13/2009	Negotiated Settlement 10/31/2009	HRCL-09-007 Cause No.: E-178,440	2009
Plaintiff(s): Ryan Glenn De Executors of the Last Will a Deceased. Defendant(s): Sunoco, Inc Radiator Specialty Compar Insilco Technologies, Inc., Williams Co., et al. Court of Common Pleas, P (Supported Plaintiffs)	inis and Evan Scott H. Davis, and Testament of Ronald Davis, (R&M) flk/a Sun Company, Inc., iy, United States Steel Corp., Eastman Kodak Co., The Sherwinhiladelphia County	Benzene Exposure	Negotiated Settlement 2011	LOC-2009-002 Cause No.: 090301835	2009-2011
Plaintiff(s): Richard Ascani Defendant: E.I. Du Pont N SM Co., Safety-Kleen Syst Supreme Court of the State (Supported Plaintiff)	emours & Company, BASF Corp, ems, Inc., et al. e of New York, County of Kings	Benzene Exposure	Negotiated Settlement 2010	LOC-09-003 Cause No.: 12061-09	2009-2010
Plaintiff(s): Joann Gradministratrix of the E Treva Cadres, Trina be Individually and as the Grandpre, Deceased Defendant: PPG Indipendent: PPG Coatings, Inc., E Performance Coating Interest to Spies Hecklinc., Spies Hecker, In AG, Individually and & AG, Individually and & Corporation, BASF-Ir	andpre, Individually and as the State of Anthony Grandpre, Deceased; Cohlman and Troylise Grandpre, e Beneficiaries of the Estate of Anthony Lastries, Inc., PPG Industries Ohio, Inc., E.I. DuPont de Nemours & Co., DuPont s, Inc. Individually and as Successor-Inker, Inc., DuPont Automotive Products, Ic., BASF Corporation, BASF Coatings Successor-In-Interest to Inmont Corporation.	Benzene Exposure	Negotiated Settlement 2010	LOC-09-004 Cause No. 2004-4180, Division J, Section 13	2009-2010

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
	Inmont Division, The Sherwin-Williams Company, Inc., Sherwin-Williams Automotive Finishes Corp., Illinois Tool Works, Inc. Individually and Successor-In-Interest to Fibre Glass-Evercoat Company, Inc., Crescent City Color, Tarride Color Service, Inc., Tarride Sale, Inc., Automotive Paint & Trimming Supply Company, Inc., Linda's Hip Hop Auto Paint & Supply Shop, LLC. Civil District Court for the Parish of New Orleans, State of Louisiana (Supported Plaintiff)				
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiff(s): Dolores Juliano, as Executrix of the Estate of John Juliano Defendant: A.W. Chesterton Company, et al. In the Court of Common Pleas Philadelphia County, PA. (Supported Plaintiff)	Asbestos Exposure	Negotiated Settlement 2012	BAR-09-003 Cause No.: 001905	2009-2012
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiff(s): Leroy Thompson Defendant: A.W. Chesterton Company, et al. In the Court of Common Pleas Philadelphia County, PA. (Supported Plaintiff)	Asbestos Exposure	Negotiated Settlement 2009	BAR-09-004	2009
Mr. Robert Black Heard, Robins, Cloud & Lubel, LLP 3800 Buffalo Speedway, 5 th Floor Houston, Texas 77098	Plaintiff(s): Susan Stevenson, Jordan W. Stevenson and Amy S. Fontenot, Individually, and as Heirs to the Estate of James Edward Stevenson Defendant: Bayer Corporation, Successor in Interest to Miles, Inc., Denka Chemical, Mobay Corporation and Mobay Chemical Company; Atofina Petrochemicals, Inc. individually and formerly known as American Petrofina Company of Texas and Fina Oil and Chemical Company; Chevron U.S.A. Incorporated, individually and as successor in interest to Gulf Oil Corporation; Chevron Phillips Chemical Company, LLC; Conoco, Inc., and formerly known as Du Pont holdings, Inc.; Conoco, Inc., and formerly known as Du Pont holdings, Inc.; Conocophillips Company; E.I. DuPont de Nemours and Company, Inc.; ExxonMobil Oil Corporation; Fina Oil and Chemicals; Fina, Inc.; Goodyear Tire & Rubber Company; Great Lakes Carbon Corporation; Mobil Chemical Company; Inc., individually and ffk/a Mobil Chemical Corporation; Radiator Specialty Company; United States Steel LLC, and Corporation, individually, ffk/a United States Steel LLC, and	Benzene Exposure	Negotiated Settlement 02/2010	HRCL-09-008 Case No.: A-040211-C	5009

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
	flk/a USX Corporation; and USX Corporation, individually, flk/a U.S. Steel Company, flk/a United States Steel Corporation and as a subsidiary of Marathon Oil Company 128th Judicial District Court, Orange County, Texas (Supported Plaintiffs)				
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiff(s): Stephen J. Kolar and Carol Kolar Defendant: Buffalo Pumps, Inc. et al. Philadelphia County Court of Common Pleas Civil Trial Division (Supported Plaintiffs)	Asbestos Exposure	Negotiated Settlement 2010	BAR-09-005 Case No.: 000199 Asbestos	2009-2010
Ms. Denyse Clancy Baron & Budd, P.C. 3102 Oak Lawn Ave., Suite 1100 Dallas, TX 75219	Plaintiff(s): Earl J. Goodhart and Betty R. Goodhart h/w Defendant: Garlock Sealing Technologies, et al. In the Court of Common Pleas Philadelphia County, PA (Supported Plaintiffs)	Asbestos Exposure	Negotiated Settlement 03/2010	BAR-2009-006 Case No.: 0000436 Asbestos	2009-2010
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff(s): John M. Ashworth and Johnnie M. Hord, Individually and Executrix of the Estate of Anthony T. Hord, deceased Defendant(s): The Goodyear Tire & Rubber Company et al. Court of Common Pleas, Summit County, Ohio (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement May 2010	HAR-09-001 Case No.: 2008-10-7361	2009-2010
Mr. R. Dean Hartley Hartley & O'Brien, P.L.L.C. The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff(s)s: Johnnie M. Hord, Individually and Executrix of the Estate of Anthony T. Hord, deceased and John M. Hord Defendant(s): The Goodyear Tire & Rubber Company et al. Court of Common Pleas, Summit County, Ohio (Supported Plaintiff)	Benzene Exposure Deposed by Defendant(s) 07/07/2010	Negotiated Settlement 12/2010	HAR-09-001 Case No.: 2008-10-7361	2009-2010
Mr. Ted Gianaris Simmons Attorneys At Law 707 Berkshire Blvd. P.O. Box 521 East Alton, IL 62024	Plaintiff(s)s: Tristan Tolloty, a minor, by his next friends and parents, Brian Tolloty and Jessica Tolloty Defendant(s): Republic Services, Inc. Republic Services of Ohio, II, LLC, Waste Management, Inc., and Waste Management of Ohio, Inc.	Benzene Exposure	Resolved 7/2012	SIM-09-001 Case No.: BC 416990	2009-2012
Mr. Andrew DuPont Locks Law Firm 1500 Walnut Street, 20 th Floor Philadelphia, PA 19102	Plaintiff(s): Kenneth Roberts and Helen Jean Roberts, his wife. Defendant: Sunoco, Inc. (R&M) f/k/a Sun Company, Inc. and f/k/a Sun Oil Company, Inc., etc. Court of Common Pleas, Philadelphia County	Benzene Exposure	Negotiated Settlement 3/2012	LOC-09-005 Case No.: 3320	2009-2012

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
	(Supported Plaintiffs)				
Mr. Greg Lofstead Richardson, Patrick, Westbrook & Brickman, LLC 1017 Chuck Dawlev Blvd.	Plaintiff(s): Clarence J. Dorsey and Susan Dorsey Defendant: Copperas Coal Corporation; Hunter Ridge Coal Company, flk/a Anker Energy Corporation; Brooks Run Ministra Company, 11 C. Energi Eule, Inc. and Kinneton	Silica Dust Exposure Deposed by	Negotiated Settlement 9/10/2010	RPWB-10-001 Case No.: 09-	2010-2010
Mt. Pleasant, SC 29464 & Mr. Timothy C. Bailey Bucci Bailey & Javins LC	Mining Company, E.C., 1955, 1955, 1955, 1957, 1957, Mining, Inc. Circuit Court of Nicholas County, West Virginia (Supported Plaintiffs)	09/10/2010		}	
PO Box 3712 Charleston, WV 25337	*				
Mr. Raphael Metzger Metzger Law Group 401 E. Ocean Blvd., Suite 800 Long Beach, CA 90802	Plaintiff(s): Laura Hammond, individually and as Guardian ad Litem of Minors Rachel Hammond and John Hammond; Craig Hammond; Elizabeth Wust; Marissa Stockreef; Stephanie Head, and Geoffrey Head Defendant: Chevron Corporation; Chevron USA, Inc.; Angeles Chemical Co., Inc.; Ashland Inc.; Ashland Inc.; Ashland Oil, Inc.; Bortz Oil Co., Inc.; Chemcentral Corp; The Dow Chemical Company; El. Du Pont de Nemours and Company; Soco West Inc.: Union Carbide Corporation and Univar USA Inc. Superior Court of the State of California for the County of Los Angeles – Central District	Benzene Exposure Deposed by Defendant(s) 5/27/2010 Testified in Trial 01/26/2011	Decision in Favor of Defendant 2/2011	MET-10-001 Case No.: BC 358265	2010-2011
Mr. Robert Black Heard Robins Cloud & Black 9 Greenway Plaza, Suite 2300 Houston, Texas 77046	Plaintiff(s): Patricia A. McClurg, Individually and as the Representative of the Estate of Duard Wayne McClurg, Deceased and Terena McClurg Defendant(s): Ingram Barge Company, Savogran Company, W.M. Barr Company, Inc., et al. United States District Court, Eastern District of Texas, Beaumont Division (Supported Plaintiffs)	Benzene Exposure	Negotiated Settlement 11/2010	HRCB-10-002 Case No.: 1:09-CV-00504	2010
Mr. Andrew DuPont Locks Law Firm 1500 Walnut Street, 20 th Floor Philadelphia, PA 19102	Plaintiff(s): John J. Mull, III, and Renee Crimmins, HW Defendant: The Sherwin Williams Company; M.A. Bruder & Sons, Inc.; Urbanik Paint & Wallpaper Co., Inc.; Tnemec, Inc.; Benjamin Moore & Co. Duron Paints & Wallcoverings; Texaco, Inc.; ChevronTexaco Corp.; Getty Petroleum Marketing, Inc. f/k/a Getty Realty Corp. f/k/a Power Test Corp.; Lukoil Americas Corp; Mikecon Corp.; Exxon Mobil Corp.; Getty Realty Corp. and John Doe Corporations One through Ten (1-10) Superior Court of New Jersey, Law Division – Camden	Benzene Exposure Deposed by Defendant(s) 03/17/2011	Negotiated Settlement 5/17/2011	LOC-10-001 Case No.: CAM-L-884-07	2010-2011

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
	County (Supported Plaintiffs)				
Mr. Keith Patton Shrader & Associates, L.L.P. 3900 Essex Lane, Suite 390 Houston, TX 77027	Plaintiff(s): Sharon Claytor, Personal Representative of the Estate of Rick D. Lewis; and Hilarie Lewis, Heir of Rick D. Lewis Lewis Defendant: Rebel Oil Company, a Nevada Corporation; Kinder Morgan Energy Partners, L.P.; ConocoPhillips Company; Shell Chemical Company; Chevron U.S.A., Inc.; Tosco Corporation; Tosco Refining Company; BP Products North America, Inc. and Atlantic Richfield Company District Court, Clark County, Nevada (Supported Plaintiffs)	Benzene Exposure	Testified in Trial 09/27-28/2011 Decision in Favor of Plaintiff 10/2011 Decision Confirmed by the Supreme Court of Nevada 12/16/2014	SHR-10-001 Case No.: A566869, Dept. XVII	2010-2011
Mr. Darren Brown Provost Umphrey Law Firm, LLP 490 Park Street Beaumont, Texas 77701	Plaintiff(s): Monte McWilliams Defendant(s): Exxon Mobil Corporation et al. 14th Judicial District Court, Parish of Calcasieu, State of Louisiana, Division E (Supported Plaintiff)	Benzene Exposure	Decision in Favor of Plaintiff 02/2012	PRO-10-001 Cause No.: 2009-002803	2010-2012
Mr. Keith Patton Shrader & Associates, L.L.P. 3900 Essex Lane, Suite 390 Houston, TX 77027	Plaintiff(s): Richard Czuprynski Defendant: The Kansas City & Southern Railway Company Circuit Court of Jackson County, Missouri (Supporting Plaintiff)	Benzene from Benzene-Containing Products Deposed by Defendant 11/29/2011	Dismissed	SHR-11-001 Cause No.: 1016-CV06186, Division No. 4	2011-2012
Mr. Greg Coolidge Metzger Law Group 401 E. Ocean Blvd., Ste. 800 Long Beach, CA 90802	Plaintiff(s): Steven Billing et al. Defendant(s): Azko Nobel Paints, LLC et al. Superior Court of the State of California for the County of Los Angeles (Supported Plaintiffs)	Benzene Exposure	Negotiated Settlement 01/2012	MET-11-001 Case No.: BC 416990	2011-2012
Mr. Brian Madden Wagstaff & Cartmell, LLP 4740 Grand Avenue, Suite 300 Kansas City, MO 64112	Plaintiff(s): Charles Ross and Rocio Ross Defendant(s): Chevron Phillips Chemical Company, LP; Chevron Phillips Chemical Holdings II, LLC; and Chevron Phillips Chemical Company, LLC. District Court of Montgomery County, Texas, 284th Judicial District (Supported Plaintiffs)	Benzene Exposure Deposed by Defendant(s) 04/24/2012	Negotiated Settlement 03/2012	WAG-11-001 Case No.: 10-02-01901- CO	2011-2012

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ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Mr. Keith Hyde Provost Humphrey P.O. Box 4905 Beaumont, Texas 77704	Plaintiff(s): Jo Beth Allen and Lisa Wolfe, Surviving Children of Joe Allen, Deceased Defendant(s): Texaco, Inc., Chevron USA, Inc. and Atlantic Richfield Company In the District Court, Jefferson County, Texas, 60th Judicial District (Supported Plaintiffs)	Benzene Exposure	Negotiated Settlement 03/2012	PRO-11-001 Cause No. B- 186,652	2011-2012
Ms. Jo Anna Pollock Simmons Attorneys At Law 707 Berkshire Blvd. P.O. Box 521 East Alton, IL 62024	Plaintiff(s): City of Roxana Defendant(s): Shell Oil Company, Equilon Enterprisers, LLC d/b/a Shell Oil Products, US, a Corporation, ConocoPhillips Company, WRB Refining LP, ConocoPhillips WRB Partner, LLC, and Cenovus GPCP, LLC. The Circuit Court Third Judicial Circuit Madison County, IL (Supported Plaintiffs)	Benzene Exposure Deposed by Defendant(s) 11/05/2015	Negotiated Settlement 2016	SIM-11-001 Case No.: 3:12- cv-00336 GDM- PMF	2011-2016
Mr. Brad Oldaker Bailey, Stultz, Oldaker & Greene 122 Court Avenue Weston, WV 26452	Plaintiff(s): Ralph E. Taylor, Kathy Taylor, individually and in their capacity as guardian and next friend of Jane Doe, a minor. Defendant(s): E.I. Du Pont & Company, a Delaware Corporation, KBR, Inc., a Delaware Corporation, BE&K Construction Company, L.L.C., a Delaware Corporation and Debra Hartman, an Individual. In the Circuit Court of Kanawha County, West Virginia. (Supported Plaintiff)	Safety (Scaffold Incident)	Negotiated Settlement 09/2012	OLD-11-001 Case No. 11-C- 1713	2011-2012
R. Dean Hartley Hartley & O'Brien, PLLC The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff(s): Cynthia L. Gunto, Individually and as Executrix of the Estate of Michael T. Gunto, deceased. Defendant(s): PPG Industries, Inc. Circuit Court of Marshall County, West Virginia (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 03/2013	HAR-11-001 Case No.: 09 C 260K	2011-2013
Mr. Gary L. Hall Smith, Rolfes & Skavdahl Co., LPA 600 Vine Street, Suite 2600 Cincinnati, OH 45202	Plaintiff(s): Rex A. Absher and Cosetta Absher Defendant(s): State Auto Insurance Company of Ohio In the Court of Common Pleas Lawrence County, Ohio. (Supported Insurance Company - Defendant)	Formaldehyde Exposure Deposed by Plaintiffs 02/09/2012	Decision in Favor of Plaintiff	STE-12-001 Case No.: 10- OC-908	2011-2012
Dr. Herschel L. Hobson Hobson & Bradley Attorneys At Law 2190 Harrison Beaumont, TX 77701	Plaintiff(s): William P. Hite and Patricia A. Hite Defendant(s): Apex Oil Company, Inc., Valero Energy Corp., successor in interest to Clark Oil Company and Premcor, Inc. et al. Circuit Court of Cook County Illinois, County Department, Law Division	Benzene Exposure Deposed by Defendant(s) 04/02/2013	Negotiated Settlement 2/2014	HOB-11-001 Case No.: 09 L 4510	2011-2014

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
	(Supported Plaintiff)				
Mr. Ted Gianaris Simmons Attorneys At Law 707 Berkshire Blvd. P.O. Box 521 East Alton, IL 62024	Plaintiff(s): James and Betty Cox Defendant(s): Shell Oil Company, Equilon Enterprisers, LLC doh/a Shell Oil Products, US, a Corporation, ConocoPhillips LC Company, WRB Refining LP, ConocoPhillips WRB Partner, LC, conded Plaintiffs)	VOC Exposure Site Visit, Interview and Report	Resolved Pre- Litigation 2014	SIM-12-001	2012-2014
Mr. Keith Hyde Provost Humphrey P.O. Box 4905 Beaumont, Texas 77704	Plaintiff(s): Claude W. Shute & Arthur Earl Holmes Defendant(s): Claude W. Shute & Arthur Earl Holmes Defendant(s): Citgo Petroleum Company; Canadianoxy Offshore Production Co., ConocoPhillips Company; ExonMobil Corporation; Chevron U.S.A., Inc.; Texaco, Inc.; Fina, Inc.; GATX Corporation; Crown Petroleum Corporation; Shell Oil Company; Hartford Accident & Indemnity Company; Century Indemnity Company and Lloyds of London In the 14th Judicial District Court of Calcasieu Parish, Louisiana (Supported Plaintiffs)	Benzene Exposure	Negotiated Settlement 09/2012	PRO-12-001 Cause No.: 2010-003436 "E"	2012
Mr. Andrew DuPont Locks Law Firm The Curtis Center 601 Walnut Street, Suite 720 East 170 South Independence Mall West Philadelphia, Pennsylvania 19106	Plaintiff(s): Sondra Krem, Individually and as Executrix of the Estate of Joseph J. Krem Defendant(s): BP Corporation North America, Inc., Atlantic Richfield Company, Sunoco, Inc. (R&M) <i>flk/a</i> Sun Company, Inc., Radiator Specialty Company, United States Steel Corporation, Safety-Kleen Systems <i>dlb/a</i> Safety-Kleen Corporation, Corporation, in its own right and <i>dlb/a</i> Safety-Kleen Systems, Inc., The Pep Boys-Manny, Moe & Jack, The Berkebile Oil Company, Inc. and CRC Industries, Inc. In the Court of Common Pleas of Philadelphia County, Pennsylvania – Civil Division (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 11/2012	LOC-12-001 Case No.: 01913	2012
Mr. Andrew J. Stern Kline & Specter 1525 Locust Street Philadelphia, PA 19102	Plaintiff(s): Ruben Grigoryants and Mariana Grigoryants Defendant(s): Safety-Kleen Systems d/b/a Safety-Kleen, Safety-Kleen Corp. in its own right and d/b/a Safety-Kleen Systems, Inc. In the United States District Court for the Western District of Pennsylvania (Supported Plaintiffs)	Benzene Exposure	Negotiated Settlement 04/2016	KLI-12-001 Case No.: 1:11-cv-00267- SJM	2012-2016
Mr. Andrew DuPont Locks Law Firm The Curtis Center 601 Walnut Street, Suite 720 East 170 South Independence Mall West	NAMES OF TAXABLE PARTY. MADE	Benzene Exposure Deposed by Defendant(s) on July 16, 2012.	Negotiated Settlement 08/2012	LOC-12-002 Case No. VC060106	2012-2012

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Philadelphia, Pennsylvania 19106	United States Steel Corporation, Safety-Kleen Corp., Safety-Kleen Systems, Inc., 3M Company; E.I. DuPont de Nemours & Company; Sea Foam Sales Company; Justice Brothers, Inc.; Hanson Merrill Corporation a/k/a Ernie's Auto Parts and Henkel Corporation In the Superior Court of the State of California for the County of Los Angeles, Southeast District (Supported Plaintiffs)				-
Mr. Thomas E. Schwartz Holloran White & Schwartz LLP 2000 S. 8 th Street St. Louis, Missouri 63104	Plaintiff(s): Jeannette Platt, as the surviving wife of Decedent Lawrence Platt, Lukas Platt and Zachary Platt, as the surviving children of Decedent, Loretta Platt, as the surviving mother of Decedent, and Francis Platt, John Platt and Edward Platt, as the surviving siblings of Decedent Defendant(s): BASF Corporation, D&A Distributing, Inc., E.I. DuPont de Nemours & Company, Link Motor Supply Company, Inc., PPG Industries, Inc., and the Sherwin Williams Company In the Circuit Court of St. Louis County, State of Missouri (Supported Plaintiffs)	Benzene Exposure	Negotiated Settlement 02/2013	SCH-12-001 Case No.: 10SL-CC01305	2012-2013
Mr. Keith Hyde Provost Humphrey P.O. Box 4905 Beaumont, Texas 77704	Plaintiff(s): Billy Smallwood & George C. Washington Defendant(s): Exxon Mobil Corporation et al. In the 136th Judicial District Court of Jefferson County, Texas (Supported Plaintiffs)	Benzene Exposure Deposed by Defendant(s) on October 17, 2013	Negotiated Settlement 11/2013	PRO-12-002 Case No.: D-189,648	2012-2013
Mr. Andrew DuPont Locks Law Firm 1500 Walnut Street, 20 th Floor Philadelphia, PA 19102	Plaintiff(s): Andre A. Harvey Defendant(s): Valero Energy Corporation, PBF Energy Company, LLC, Paulsboro Refining Company, LLC, Sunoco, Inc. (R&M) a/k/a Sun Oil Company, Inc. and Sun Company, Inc., Sunoco Logistics Partners, L.P., El Paso Corporation, The Carlyle Group, L.P., Delaware City Refining Company, LLC, Husky Energy, Inc., Lima Refining Company, In the Court of Common Pleas of Philadelphia County (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 01/20/2017	LOC-12-003 Case No. 121102430; 02471	2012-2017
Mr. Brian E. Fritz Saltz, Mongeluzzi, Barrett & Bendesky, P.C. One Liberty Place, 52 nd Floor Philadelphia, PA 19103	Plaintiff(s): Jeanne Gans, Administratrix of the Estate of George Gans, and in her own right Defendant(s): Sunoco, Inc., and Sunoco (R&M) Inc. Philadelphia County Court of Common Pleas Law Division (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 3/2014	SMBB-13-001 Case No∴ 03399	2013-2014
Mr. Guy R. Bucci Bucci Bailey & Javins LC PO Box 3712	Plaintiff(s): William (Rick) Potter Defendant(s): B&F Contracting, Inc. and its successors 198	Fall Protection	Negotiated Settlement 5-2015	BUC-13-002	2013-2015

TIMEFRAME		.2013-2016	2013	2013	2013-2014	2013
Project #/Case #		BUC-13-001 Case No.: 14-C- 106	SMBB-13-002 Case No.: 1714	SIM-13-002 Case No.: 13-CV-00801	TRA-13-001 Case No.: 12CV-10-12920	WES-13-001 Claim #: NR- CMM-6050718- 110913-A
DECISION		WV Workers' Compensation Office of Judges Decision of Reversal in Favor of Plaintiffs 12/19/2014 Negotiated Settlement 05/2016	Negotiated Settlement 11/2013	Negotiated Settlement 2013	Negotiated Settlement 2/2014	Settled 2013
SUBJECT	Pre-Suit – Wrote Expert Report	Exposure to MDI	Benzene Exposure	Benzene Exposure Deposed by Defendant(s) 10/30/2013	Brick Veneer Failure Structural at Hampton Inn, Columbus, OH Site visit and Expert Report	HVAC Failure Claimed Site Visit and Expert Report
CASE (Plaintiff(s) and Defendant(s) & Role	State Road 716, Ashland KY 41102 (Supported Plaintiff)	Plaintiff(s): Muriel A. Thomas and Jackie Thomas, her husband Defendant(s): Interiors Plus, LLC, a West Virginia Limited Liability Company, CENTAUR Floor Systems, LLC, ECORE International, Inc. a Pennsylvania Corporation, and Russell Morrison d/b/a/ Alpha Professional, vs. Bostic, Inc., Third- Party Defendant In the Circuit Court of Kanawha County, West Virginia (Supported Plaintiffs)	Plaintiff(s): John and Jacquelyn Coen, Husband and Wife Defendant(s): Carboline Co., RPM, et al. Philadelphia County Court of Common Pleas Law Division (Supported Plaintiffs)	Plaintiff(s): Bridgeton Class Action – Marsha Buck, Troy Lewis, Jean Lewis, Mike Head and Janet Head, individually and on behalf of all others similarly situated. Defendant(s): Republic Services, Inc., Allied Services LLC d/b/a Republic Services of Bridgeton, Bridgeton Landfill, LLC In the United States District Court Eastern District of Missouri. (Supported Plaintiffs)	Plaintiff(s): Arshot Investment Corporation, et al. Defendant(s): E.V. Bishoff Company, et al. In the Court of Common Pleas Franklin County, OH (Supported Defendant – Mason)	Plaintiff(s): Tutor Time 123 LLC Defendant(s): Air Force One, Inc. Pre-Lawsuit (Supporting Defendant)
ATTORNEY/LAW FIRM	Charleston, WV 25337 Mr. Chris Heavens Heavens Law Firm PLLC 2438 Kanawha Blvd., East Charleston WV 2531	Orlaneson, WV 25337 Mr. Guy R. Bucci Bucci Law Firm PO Box 3712 Charleston, WV 25337	Mr. Brian E. Fritz Saltz, Mongeluzzi, Barrett & Bendesky, P.C. One Liberty Place, 52 nd Floor Philodelphia PA 19103	Ms. Jo Anna Pollock Simmons Attorneys At Law 707 Berkshire Blvd. P.O. Box 521 East Alton, IL 62024	Mr. Douglas J. May Travelers Staff Counsel 625 Eden Parkway, Suite 510 Cincinnati, OH 45202	Mr. John Vincent Weston Hurd LLP 10 W. Broad St., Suite 400 Columbus, OH 43215

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Mr. Andrew DuPont Locks Law Firm 1500 Walnut Street, 20 th Floor Philadelphia, PA 19102	Plaintiff(s): David A. Johnson and Laura Johnson Defendant(s): Armored Autogroup, Inc. dlb/a STP; Berryman Products, Inc.; CRC Industries, Inc., Loctite Corporation nlk/a Henkel Corporation; Illinois Tool Works, Inc., solely as successor-in-interest to Permatex, Inc.; Radiator Specialty Company; United States Steel Corporation, Safety-Kleen Corp., Safety-Kleen Systems, Inc., 3M Company; Texaco, Inc.; Chevron U.S.A., Inc.; Individually and Successor in Interest to Texaco, Inc., Justice Brothers, Inc.; Genuine Parts Company; Henkel Corporation Individually and as Successor in Interest to Loctite Corporation and Henkel Loctite Corporation; Sunoco, Inc. (R&M); Volvo Cars, etc. In the Superior Court of the State of California for the County of Alameda (Supported Plaintiffs)	Benzene Exposure Deposed by Defendant(s) 3/21/2014; 4/8/2014; 4/24/2014	Negotiated Settlement 6/2014 Re-opened 2016 and re- settled 9/2016	Case No.: 001641 A142485 In the Court of Appeal of the State of California, First Appellate District	2013-2016
Mr. Andrew DuPont Locks Law Firm 1500 Walnut Street, 20 th Floor Philadelphia, PA 19102	Plaintiff(s): David Butler and Teri Rhodes Defendant(s): Sunoco, Inc. (R&M) FKA Sun Company, Inc. FKA Sun Oil Company; United States Steel Company; and Radiator Specialty Company. In the Court of Common Pleas of Philadelphia County, Pennsylvania Civil Division (Supported Plaintiffs)	Benzene Exposure	Testified in Trial 7/29-30/2014 Decision in Favor of Defense 8/8/2014	LOC-13-001 Case No.: 001641	2013-2014
Mr. Thomas E. Schwartz Holloran White & Schwartz, LLP 2000 South 8th Street St. Louis, MO 63104	Plaintiff(s): Elroy Buyat, Jr. Defendant(s): Mallinckrodt, Inc., Covidien, Inc., Safety-Kleen Systems, Inc., Heritage-Crystal Clean, LLC., and Engineered Lubricants, Co In the Circuit Court of St. Louis County, State of Missouri (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 2014	HOL-13-001 Case No.: 1122-CC00786	2013-2014
Mr. Andrew DuPont Locks Law Firm 1500 Walnut Street, 20th Floor Philadelphia, PA 19102	Plaintiff(s): Layne Kleinschmit and Cynthia Kleinschmit Defendant(s): 3M Company; Berryman Products, Inc.; The Blaster Corporation, CRC Industries, Inc., Genuine Parts Company, db/a NAPA; Henkel Corporation, individually and as successor in interest to Loctite Corporation and Henkel Locktite Corporation: Loctite Corporation n/l/a Henkel Corporation; Illinois Tool Works, Inc., d/b/a Permatex and d/b/a Gumout and d/b/a LPS Laboratories and d/b/a Wynn's; The Pep Boys – Manny, Moe & Jack; Radiator Specialty Company; Safety-Kleen Corporation, Safety-Kleen Systems, Inc., Sunoco, Inc. (R&M) f/k/a Sun Company, Inc. and f/k/a Sun Oil Company; and	Benzene Exposure	Negotiated Settlement 06/2015	LOC-14-001 Case No. VC060106	2013-2015

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
	United States Steel Corporation In the Court of Common Pleas, Philadelphia County (Supporting Plaintiffs)				5.
Mr. Mark R. Staun The Segal Law Firm 810 Kanawha Boulevard, East Charleston, West Virginia 25301	Plaintiff(s): Steve Ansell Defendant(s): EXXON MOBIL CORPORATION, a New Jersey corporation; SAFETY-KLEEN SYSTEMS, INC., a Wisconsin corporation; RADIATOR SPECIALTY COMPANY, a North Carolina corporation; CRC INDUSTRIES, INC., a Pennsylvania corporation; CRC INDUSTRIES, INC., a Pennsylvania corporation; WEST VIRGINIA, DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, an agency of the State of West Virginia; NAZDAR COMPANY, Individually and as Successor-by-Acquisition/Merger to ADVANCE PROCESS SUPPLY CO., an Illinois corporation; ADVANCE PROCESS SUPPLY CO., an Illinois corporation; AMERICA CORPORATION, as Successor-by Merger to FUJIFILM SERICOL U.S.A., INC., as Successor-by-Werger to SERICOL, INC., a New York corporation; UNCOMMON CONGLOMERATES, INC., a Division of CYBERBOND, LLC, a Delaware limited liability company Circuit Court of Marshall County, West Virginia	Benzene Exposure	Negotiated Settlement 2015	SEG-13-001 Case No.: 13-C- 119K	2013-2015
Mr. John Vincent Weston Hurd LLP 10 W. Broad St., Suite 400 Columbus, OH 43215	Plaintiff(s): Mercer Square, LLC Defendant(s): Preferred Real Estate Pre-Suite Inspection and Report (Supported Defendant)	Fire Suppression System Freeze Failure Jack Nicklaus Villa – 18 th Green – Muirfield Village, Dublin, OH	Negotiated Settlement 2014	WES-14-001	2014
Mr. Darren Brown Provost Umphrey 490 Park Street Beaumont, TX 77704	Plaintiff(s): Carl Nolan Smith, III Defendant(s): Chevron U.S.A., Inc.; Chevron Chemical Company, LLC; ExxonMobil Oil Corporation; Texaco, Inc.; Atlantic Richfield Company; BP Amoco Chemical Company; BP Products North America, Inc.; Canadianoxy Offshore Production Co.; ConocoPhillips Company; Total Petrochemicals USA, Inc.; Union Oil Company of California; and Huntsman Petrochemical, Inc. 14th Judicial District Court, Parish of Calcasieu, State of Louisiana (Supported Plaintiff)	Benzene Exposure	Negotiated Settlement 10/2014	PRO-14-001 Cause No.: 2012-5290A	2014
Mr. Robert Black Black Law, PC The Lyric Centre	Plaintiff(s): Joseph Dwayne Meeks and Jane Meeks Defendant(s): Ace Hardware, British Petroleum (BP); E.I. du Pont de Nemours and Company (DuPont), Pittsburg Paint	Benzene Exposure	Negotiated Settlement 09/2015	BLA-14-001 Cause No.:	2014-2015

Mr. Stephen E. Petty - Summary of Expert Witness Cases - Updated July 6, 2021

TIMEFRAME		2014-2015	2014-2015	2014-2016
Project #/Case #	14-CV-1044	ALL-14-001 Cause No.: 12-12-03188	ALL-14-002 Cause No.: CV 13 813181	HIN-14-001 Cause No.: 30- 2010-00423097 & 30-2011- 00512364 Consolidated
DECISION		Negotiated Settlement 04/2015	Negotiated Settlement 01/2015	Negotiated Settlement 02/2016
SUBJECT		Benzene Exposure	Benzene Exposure	Soil/Gas Exposure Deposed by Defendant(s) 07/31/ 2015
CASE (Plaintiff(s) and Defendant(s) & Role	Glass (PPG), Savogran; Shell Oil Company (Shell); Sherwin-Williams Company (S-W), W.M. Barr & Company (WM Barr), and US Steel Company. Galveston County, Texas – 122nd District Court (Supported Plaintiffs)	Plaintiff(s): Thomas Koenig and Rebecca Koenig Defendant(s): Ashland, Inc., BASF Corporation, Dow Chemical Company, Dynabrade, Inc., E.I. DuPont de Nemours & Co., Egyptian Lacquer Manufacturing Company, Inc., GE Betz, Inc., Henkel Corporation, NB Coatings, Inc., Zinsser Co., Inc. as successor to Parks Corporation, Plastic Process Equipment, Inc., Rohm & Hass Company, Worwag Coatings, LLC. In the Court of Common Pleas, Philadelphia County, PA (Supporting Plaintiff)	Plaintiff(s): Jerri A. Rowan Defendant(s): Sherwin-Williams, Inc., Columbia Forest Products, Inc., Futch Lumber, FTL Properties of Delaware, LLC, Baer Wurth, Aetna, Charler Industries, Temple-Inland, Inc., Tamarac Distributors, Charles F. Shiels, Bluelinx, Flagg, ATC Panels, Inc., Georgia Pacific Wood Products, Weyerhaeuser, Jeld-Wen, Inc., Custom Plywood, Rugby, Inc., Distributor Service, Inc., In the Court of Common Pleas, Cuyahoga County, OH (Supporting Plaintiff)	Plaintiff(s): Gavin Kirk, a minor by and through his guardian ad litem Stephen Tobin Kirk, Sarah Kirk, and Stephen Tobin Kirk individuals, Ryan Goode, a minor by and through his guardian ad litem James Goode, Jaqueline Goode and James Goode individuals Defendant(s): Varco International, Inc., Varco Heat Treating Company, Varco Oil Tools, National Oil Well Varco, Plazamerica Inc., Plaza National Real Estate, Inc., Plaza Atrium, Inc., Leed Plaza Atrium, LLC., successor in interest to Plazamerica, Inc., Leed Properties, Cove Properties, Inc., Cove Development Co., Cove Builders, Inc., County of Orange, and Does 1 through 200, inclusive. In the Superior Court of the State of California, for the County of Orange (Supporting Plaintiffs)
ATTORNEY/LAW FIRM	440 Louisiana, Suite 2400 Houston, Texas 77002	Mr. Scott R. Frieling Allen Stewart, P.C. 325 N. St. Paul St., Ste. 2750 Dallas, TX 75201	Mr. Scott R. Frieling Allen Stewart, P.C. 325 N. St. Paul St., Ste. 2750 Dallas, TX 75201	Mr. Peter Alfert Hinton Alfert & Kahn LLP 200 Pringle Ave., Suite 450 Walnut Creek, CA 94596

TIMEFRAME	2014-2017
Project #/Case #	WRI-14-001
DECISION	Case 1 Bartlett - Testified in Trial 09/21, 22, 23/2015 Case 1 Decision in favor of Plaintiff Carla Bartlett 10/7/2015 Case 2 Freeman - Testified in Trial 06/10, 13, 14, 15/2016 Case 2 Decision in favor of Plaintiff David Freeman 07/08/2016 Case 3 Vigneron - Testified in Trial 12/1 & 5/2016 Case 3 Decision in favor of Plaintiff Keith Vigneron 07/08/2017 Case 4 Moody - 01/30, 31, and 02/ 1/2017 Case 4 Larry Moody - Part of Class Action Negotiated Settlement of 900 Million + 02/13/2017
SUBJECT	Exposure to C-8 Deposed by Defendant(s) 03/30/2015 Daubert Challenge by Defendant(s) – Denied August 6, 2015
CASE (Plaintiff(s) and Defendant(s) & Role	Plaintiff(s): C-8 Class Action Defendant(s): DuPont de Nemours United States District Court Southern District of Ohio – Eastern Division (Supporting Plaintiffs)
ATTORNEY/LAW FIRM	Mr. Timothy O'Brien Levin Papantonio 316 S. Baylen St., #600 Pensacola, FL 32502 Mr. Robert Bilott Taft Stettinius & Hollister LLP 425 Walnut Street, Suite 1800 Cincinnati, OH 45202 Mr. Richard Schulte Wright & Schulte Wright & Schulte Vandalia, OH 45377

TIMEFRAME	2014	2014-2016	2014-2016
Project #/Case #	NEL-14-001 Cause No.: 2:13-cv-07485- PD	ALL-14-002 Case No.: 1316-CV13192	LOC-14-002 Cause No. 003450
DECISION	Negotiated Settlement 2014	Testified in Trial on 06/21/2016 Decision in favor of Defendant 07/2016	Testified in Trial 02/10/2016 Decision in Favor of Plaintiff 02/2016
SUBJECT	Indoor Air Quality (IAQ)	Benzene Exposure Deposed by Defendant(s) 10/22/2015	Benzene Exposure
CASE (Plaintiff(s) and Defendant(s) & Role	Plaintiff(s): Alva & Fern Hoopengardner Defendant(s): Meridian Citizens Mutual Insurance Company United States District Court Eastern District of Pennsylvania (Supported Defendant)	Plaintiff(s): Wade Wesley Wiederhold Defendant(s): Safety Kleen, Corp., Safety Kleen Systems, Inc., Rust-Oleum Corp., Berryman Products, Inc., ITW Permatex, a Division of Illinois Tool Works, Inc., The Valspar Corporation, Henkel Corporation, Deere & Company, Gold Eagle Co., The Sherwin-Williams Company, Apollo Industries, Inc., Claire-Sprayway, Inc., and Ozark Kenworth, Inc. In the Circuit Court of Jackson County, Missouri 2 at Independence (Supported Plaintiff)	Plaintiff(s): Louis Arthur DeSorbo Defendant(s): United States Steel Corporation; Sunoco, Inc. (R&M) flk/a Sun Company, Inc. and flk/a Sun Oil Company, Inc.; 3M Company; Rogersol, Inc., Rycoline Products, Inc. and Successor to Rogersol, Inc.; Sun Chemical Corporation, Individually and a Parent and Successor to Rycoline Products, LLC and Successor to Rogersol, Inc.; Sun Chemical Corporation, Individually and a Parent and Successor to Rycoline Products, Inc. and Successor to Rogersol, Inc.; Van Son Holland Ink Corporation of American; Varn International, d/b/a Vam Products Company; Day International, Inc., Individually and as Successor to and d/b/a Vam Products Company; Printers Service d/b/a Prisco; Deleet Merchandizing Corporation; Cabrun Ink Products, Corporation and its Subsidiaries, Philips Electronics North America Corporation d/b/a and a Parent and Successor In Interest to Unocal Corporated; Mallinckrodt Baker, Incorporated, Individually and as Successor In Interest to J.T. Baker, Incorporated; Inc.; PPG Industries, Inc.; Shell Oil Company; Shell Oil Products US, INC.; Fisher Scientific International, Incorporated; Total Petrochemicals & Refining USA, Incorporated, Individually and as Successor In Interest to American Petroflina, Inc. Total Plaza a/k/a FINA, Inc., Cosden Oil Company, Graphic Packaging International, Inc. Individually
ATTORNEY/LAW FIRM	Mr. Emmett McGowan Nelson Brown & Co. 518 Township Line Road, Suite 300 Blue Bell, PA 19422	Mr. Scott R. Frieling Allen Stewart, P.C. 325 N. St. Paul St., Ste. 2750 Dallas, TX 75201	Mr. Andrew DuPont Locks Law Firm 1500 Walnut Street, 20 th Floor Philadelphia, PA 19102

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
	and Successor in Interest to Handschy Industries, LLC; Anchor/Lith-Kem-Ko, Incorporated, a Subsidiary of FugiFilm Hunt Chemicals USA, Incorporated; FugiFilm Hunt Chemicals USA, Incorporated, d/b/a and Parent and Successor to Anchor/Lith-Kem-Ko, Incorporated; Sinclair & Valentine Company, Incorporated; Hurst Chemical Company; Gans Ink & Supply Company, Incorporated; Spinks Ink Company, Incorporated; Flint Ink Corporation; et al. In the Court of Common Pleas, Philadelphia County, Pennsylvania (Supported Plaintiff)	v			
Allen Stewart Stephanie Sherman 325 N. St. Paul St., Suite 2750 Dallas, TX 75201	Plaintiff(s): Christopher Lightfoot Defendant(s): Georgia-Pacific Wood Products LLC, Georgia-Pacific, LLC, individually and as successor-in-interest to Georgia-Pacific Corporation, Weyerhaeuser Company, Weyerhaeuser NR Company, Lowes Home Centers, LLC (NC), and John Doe 1 State Court of Fulton County, GA (Supported Plaintiff)	Wood Dust Exposure	Negotiated Settlement 2016	ALL-15-001 Cause No.: 01960	2015-2016
Mr. Darren Brown Provost Humphrey P.O. Box 4905 Beaumont, Texas 77704	Plaintiff(s): Cathy Withers Defendant(s): Chevron U.S.A., Texaco, Inc., Union Oil Company of California, Alon USA, LP, Anadarko E & P Onshore, LLC, ConcoPhillips Company, ExxonMobil Oil Corporation, PB Amoco Chemical Company, BP Products North America, Inc., Canadianoxy Offshore Production Company, Citgo Petroleum Corporation, Delek Logistics Operating, LLC, Total Petrochemicals & Refining, USA,, Inc., El Paso Energy E.S.T. Company, El Paso Natural Gas Company, LLC, Enbridge Marketing LLC, Targa Resources, Axiall Georgia Gulf Corp., Hunt Oil Company, et al. In the 14th Judicial District Court for the Parish of Calcasieu, State of Louisiana, Division "D"	Benzene Exposure	Negotiated Settlement 12/2016	PRO-15-001 Cause No.: 2013-3723	2015-2016
Kohrman Jackson & Krantz Ms. Heather Zilka 10 West Broad Street, Suite 1900 Columbus, OH 43215	Plaintiff(s): Mary Christian Defendant(s): Lawrence Water, et al. Lawrence County Common Pleas, Ohio (Supported Defendant)	Structural Damage from Water Leak	Negotiated Settlement 10/2016	KJK (SMI)-15- 001 Cause No.: 14 OC 739	2015-2016
Mr. Everett Day Black Law, PC The Lyric Centre 440 Louisiana, Suite 2400 Houston, Texas 77002	Plaintiff(s): Yomanoh Akpobo Defendant(s): Ross Dress for Less, Inc., Houston, TX American Arbitration Association Arbitration Proceedings – Employment Arbitration	Slip & Fall	Negotiated Settlement 07/2017	BLA-15-001 Cause No.: 01- 15-0005-2333	2015-2017

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Mr. John E: Tomlinson Beasley, Allen, Crow, Methvin, Portis & Miles, P.C. 218 Commerce Street Montgomery, AL 36104	(Supported Plaintiff) Plaintiff(s): Sheila D. Keenum, Individually, and as Personal Representative of the Estate of Wendell Joe Keenum, deceased Defendant(s): E. I. du Pont de Nemours and Company; PPG Industries, Inc.; SEM Products, Inc.; The Valspar Corporation; Rust-Oleum Corporation; O'Reilly; Automotive Stores, Inc.; R. & R. Bumper & Body Supply, Inc.; Detail Supply, LLC; Sam T. Carter Oil Company, Inc.; The Sherwin-Williams Company; Hurt Refining Company; One Shot LLC; Cumberland Products Incorporated; Powers Paper Company, and Fictitious Defendant(s) "1 through 100. In the Circuit Count of Colbert County, Alabama.	Exposure to Paint Products Deposed by Defendant(s) 09/30/2020	On-going	BEA-16-001 Case #: 20-CV-2016- 900050.	2016-Present
Mr. Chris Heavens Heavens Law Firm PLLC 2438 Kanawha Blvd., East Charleston, WV 25311	Plaintiff(s): Dominick Hall Defendant(s): Silicon Processors, Inc. In the Circuit Court of Wood County, WV	Personal Injury Deposed by Defendant(s) 08/09/2017	Negotiated Settlement 10/2017	HEA-15-001 Case No: 15-C- 471	2015-2017
Mr. Andrew Lipton Hobson & Bradley 2190 Harrison Beaumont, TX 77701	Plaintiff(s): Herbert C. Cowart Defendant(s): ExxonMobil, Hess, Chevron/Texaco, Keystone Shipping, ConocoPhillips, Canadianoxy Offshore Production Company, Coastal Fuels Marketing Company, Shell Oil Company, Union Carbide Corporation, Signet Maritime Corporation, Kirby Inland Marine, LP, BP Products North America, Marathon Oil Company 14th Judicial District Court, Parish of Calcasieu, State of Louisiana, Division E	Benzene Exposure	Negotiated Settlement 07/2017	HOB-16-001 Cause No.: 2004-3133	2016-2017
Ms. Jo Anna Pollock The Simmons Firm One Court Street Alton, IL 62002	Plaintiff(s): Gerald Dean Maberry Defendant(s): Shell Oil Company, Equilon Enterprises, LLC, d/b/a Shell Oil Products, US; ConocoPhillips Company; WRB Refining LP; ConocoPhillips WRB Partner LLC; Cenovus GPCO LLC; and, BP Products North America, Inc. In the Circuit Court for the Third Judicial Circuit, Madison County, IL	Benzene Exposure	Negotiated Settlement 09/2016	SIM-16-001 Case No.: 15-L- 1193	2016
Mr. Robert Black Black Law, PC The Lyric Centre 440 Louisiana, Suite 2400	Plaintiff(s): Gregory A. Justice et al. Defendant(s): Radiator Specialty (DuPont), Savogran; Shell Oil Company (Shell); Sherwin-Williams Company (S-W), W.M. Barr & Company (WM Barr), and US Steel Company	Benzene Exposure	Negotiated Settlement 02/2017	BLA-16-001 Cause No.: 15- CV-0907	2016-2017

ATTORNEY/LAW FIRM	CASE (Plaintiff(s) and Defendant(s) & Role	SUBJECT	DECISION	Project #/Case #	TIMEFRAME
Houston, Texas 77002	In the District Court of Galveston County, TX – 112nd Judicial District (Supported Plaintiffs)				
Mr. Robert Black Black Law, PC The Lyric Centre 440 Louisiana, Suite 2400 Houston, Texas	Plaintiff(s): Nin Koy Defendant(s): Steel Masters, LP, Steel Masters-GP LLC, and J.T. Vaughn Construction, LLC. In the District Court of Harris County, TX – 190th Judicial District	Personal Injury - Finger Amputation	Negotiated Settlement 10/2016	BLA-16-002 Civil Cause No: 2015-01-01775	2016
R. Dean Hartley Hartley Law Group, PLLC The Wagner Building 2001 Main Street, Suite 600 Wheeling, WV 26003	Plaintiff(s): Lee D. Tanked, Jr. and Cheryl Tankard, his wife. Defendant(s): Advance Auto Parts, Inc.; A.E. Lottes, Co., fk/a Carquest Auto Parts #1, Inc. d.b.a. Carquest Store #2856; CQ Sourcing, Inc.; Walker Automotive Supply, Inc.; Safety-Kleen Systems, Inc.; CRC Industries, Inc.; 3m Company; and The B'Laster Corporation. In the General Court of Justice, Superior Court Division State of North Carolina, Wake County	Benzene Exposure	Negotiated Settlement 02-01-2020	HAR-16-002 Civil Cause: 16- CVS-2949	2016-2020
Mr. David J. Carney Anapol Weiss One Logan Square 130 N. 18 th St. Suite 1600 Philadelphia, PA 19103	Plaintiff(s): David S. Garrison and Laura Timmes-Garrison Defendant(s): Smiths Group, PLC; Saint-Gobain North America, d/b/a Saint-Gobain Performance Plastic Corporation, successor in interest to CHR Industries, Inc., and Dixon Industries Corporation, successor in interest to Penntube Plastics; Compressor Products International, LLC, successor in interest to Plastomer Products: Quaker City Chemicals, Inc.; Exxon Mobil Corporation; E.I DuPont de Nemours and Company, Inc. and W.N. Stevenson, Company Philadelphia County Court of Common Pleas, PA	Benzene Exposure	Negotiated Settlement 03/2018	ANA-16-001 Case No.: 001960	2016-2018
Mr. Chris Heavens Heavens Law Firm PLLC 2438 Kanawha Blvd., East Charleston, WV 25311	Plaintiff(s): Walter H. Jones, Jr. Defendant(s): Family Handyman Services of Barboursville, LLC, George E. Linkous, individually and as owner of Family Handyman Services of Barboursville, LLC, and Absolut Roofing, LLC In the Circuit Court of Kanawha County, WV	Personal Injury – Fall from Roof	Negotiated Settlement 10/2017	HEA-16-001 Case No.: 15-C- 2059	2016-2017
Mr. Chris Heavens Heavens Law Firm PLLC 2438 Kanawha Blvd., East Charleston, WV 25311	Plaintiff(s): Paul Michalec and Jennifer Michalec Defendant(s): American Supply Company, Inc. In the Court of Common Pleas, Philadelphia County, PA	Personal Injury – Loading Dock Injury	Testified in Trial 07/07/2017 Decision by	HEA-16-003 Civil Cause No. 000893	2016-2017